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Municipal Register of the City of Hartford

1906

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Hartford, Conn.

MUNICIPAL REGISTER *of the* City of Hartford

CONTAINING a List of the Officers of the City Government and its Various Departments; *also*, Message of the Mayor and the Annual Reports of the Several Departments for the Year 1905-1906; Ordinances of the City, etc.

Printed by THE CASE, LOCKWOOD & BRAINARD CO., *Hartford, Conn.*

1906

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COMPILED AND ARRANGED

BY

HENRY F. SMITH,

City Clerk,

IN ACCORDANCE WITH A RESOLUTION PASSED BY THE COURT OF COMMON COUNCIL, AND ISSUED UNDER THE DIRECTION OF THE JOINT STANDING COMMITTEE ON PRINTING.

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CITY OFFICERS.

1906-1907.

Mayor.

WILLIAM F. HENNEY.

Office: City Hall. Residence 32 Vernon St.
Elected April 3, 1906. Term expires first Monday in April, 1908.
Salary, $3,000 per year.

Clerk.

HENRY F. SMITH.

Office: Halls of Record. Residence 29 Lorraine St.
Elected April 3, 1906. Term expires first Monday in June, 1908.
Salary, $2,000 per year.

Collector.

OTIS J. HART.

Office: Halls of Record. Residence 35 Mahl Ave.
Elected April 3, 1906. Term expires first Monday in May, 1908.
Salary, $3,600 per year.

Treasurer.

CHARLES H. SLOCUM.

Office: City Hall. Residence 148 Beacon St.
Elected April 3, 1906. Term expires first Monday in April, 1908.
Salary, $3,600 per year.

Controller.

CHARLES H. ROBINS.

Office: City Hall. Residence 61 Deerfield Ave.
Elected April 3, 1906. Term expires first Monday in April, 1908.
Salary, $2,100 per year.

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Marshal.

HART TALCOTT.

Office: City Hall. Residence 103 Wooster St.
Elected April 3, 1906. Term expires first Monday in April, 1908.
Salary $500 per year, and $2.50 per day for each day's attendance on City Court.

Town Clerk.

HENRY F. SMITH, Office, Halls of Record
Elected April 3, 1906. Term expires first Monday in June, 1908.
Compensation by fees.

Registrars of Electors.

EDWARD S. YOUNG, Halls of Record
WILLIAM COTTER, " " "
Elected April 3, 1906. Terms expire in June, 1908.
Salary $2,400 per year, each.

Assessors.

ROBERT D. BONE, Halls of Record
P. DAVIS OAKEY, " " "
JAMES T. FARRELL, " " "
Elected April 4, 1904. Terms expire in June, 1907.
Salary, $2,200 per year, each.

Selectmen.

HALSEY B. PHILBRICK, First Selectman, Halls of Record
WILLIAM J. TOLHURST, " " "
JOHN W. TITCOMB, " " "
SIDNEY L. BACHARACH, " " "
JOHN W. NOLAN, " " "
Elected April 3, 1906. Terms expire in June, 1907.
Compensation for each member for all sessions not exceeding two hours, $2.50; each additional hour, $1.25.

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Constables.

	Office.
THOMAS B. CHAPMAN,	Trust Co. Building
CHARLES H. LATHAM,	County Building
WILLIAM S. MORRIS,	26 State St.
CHARLES TAUSSIG,	County Building
WILLIAM A. FOLEY,	2 State St.
JAMES R. GRAHAM,	Room 39, 847 Main St.
JOHN J. O'CONNELL,	742 Main St.

Elected April 6, 1903, for a term of four years.
Compensation by fees.

Grand Jurors.

EDWARD L. STEELE,	902 Main St.
SALVATOR D'ESOPO,	902 Main St.
LUCIUS F. ROBINSON,	11 Central Row
JOHN J. MCKONE,	26 State St.
FREDERICK G. EBERLE,	811 Main St.
FRANK B. WILLIAMS,	50 State St.

Elected April 3, 1906, for a term of one year.

Recorder City Court.

HERBERT S. BULLARD, 2 Central Row

Appointed by the General Assembly 1905, for a term of two years. Term expires in June, 1907.
Salary, $2,500 per year.

Clerk of City Court.

HERBERT A. ROSS, 26 State St.

Appointed by the Recorder of the City Court.
Salary, $1,000 per year.

Corporation Counsel.

ARTHUR L. SHIPMAN, 2 Central Row

Appointed by the Mayor and confirmed by the Board of Aldermen, April 30, 1906, for a term of two years from May 1, 1906.
Salary, $5,000 per year.

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Judge of Police Court.

	Office.
EDWARD J. GARVAN,	36 Pearl St.

Chosen by General Assembly 1905, for a term of two years.
Term expires 1907.
Salary, $1,800 per year.

Associate Judge of Police Court.

WALTER H. CLARK, 50 State St.

Appointed by the General Assembly 1905.
Compensation $5 per day when acting in place of Judge.

Clerk of Police Court.

EDWARD L. STEELE, 902 Main St.

Appointed by Judge of Police Court.
Salary, $1,100 per year.

Prosecuting Attorney.

HARRISON B. FREEMAN, JR., 50 State St.

Appointed by Judge of Police Court.
Salary, $1,600 per year.

Special Prosecuting Attorney.

FRANK A. HAGARTY, 11 Central Row

Building Inspector.

FRED J. BLISS, City Hall

Salary, $2,500 per year.

Assistant Building Inspector.

JOHN F. CONNIFF, City Hall

Salary, $1,000 per year.
Each appointed by Mayor and confirmed by the Board of Aldermen for a term of two years, beginning on the 1st of January, 1905.

Port Warden.

ERNEST N. WAY, Steamboat Dock

Salary, $25.00 per year.
Appointed by concurrent vote in Court of Common Council, April 17, 1906, for a term of one year.

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Sealer of Weights and Measures and Inspector of Fire Wood.

	Office.
JOHN R. KEMMERER,	City Hall.

Salary, $1,200 per year.
Appointed by concurrent vote in Court of Common Council, April 30, 1906, for a term of two years.

Committee on Abatement of Taxes.

AMOS REYNOLDS,	Halls of Record.
FRED J. BROWN,	" " "
PHILIP H. FAGAN,	" " "

Appointed by concurrent vote in Court of Common Council, May 28, 1906, for a term of one year.
Compensation voted to them at expiration of term.

Rate Maker.

ROBERT D. BONE,	Halls of Record.

Salary, $400 per year.
Appointed by concurrent vote in Court of Common Council, April 16, 1906, for a term of one year.

City Weighers.

Appointed by concurrent vote in the Court of Common Council for a term of one year.
Compensation by fees.

Abbe, L. G.
Blodgett, H. L.
Brewer, Alfred R.
Carley, George W.
Cavens, George
Charter, George H.
Clapp, Roger Otis
Cohn, Jacob
Colpitts, A. B.
Condon, John C.
Coughlin, M. J.
Curry, Eugene H.
Curry, W. F.
Dougherty, Charles W.
Dwight, Charles A.
Fischer, Louis
Fitzpatrick, M. J.
Foley, Michael J.
Foster, W. H.
Frey, Chas. M.
Fury, M. C.
Gammons, W. E.
Gaynor, Thomas
Gleason, J. M.
Goldberg, A. D.
Goldberg, M. C.
Hakewessel, R.
Hale, Charles R.
Hanmer, W. E.
Hayward, A. J.
Hess, Charles T.
Katz, Jacob

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Kemmerer, John R.
Lair, George F.
Lane, Walter A.
Laragy, William T.
Main, L. S.
McAndrews, Michael
McNamara, T. W.
Miller, W. H.
Mintz, Isaiah
Moody, B. E.
Murphy, Daniel W.
Murray, E. S.
Newton, Charles W.
Northam, R. C.
O'Callaghan, John
Ott, John
Price, George T.
Randall, A. M.
Redmond, John
Reed, Douglas
Ryan, W. F.
Sack, H.
Sage, F. L.
Strong, C. H.
Summerhill, John M.
Wheeler, Geo. L.
White, Harris
Woodward, Charles G.
Young, Harvard K.

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BOARD OF ALDERMEN
1906 ~ 1907

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BOARD OF ALDERMEN.

1906—1907.

[This Board consists of twenty members, two from each ward. One-half the members (one from each ward) are elected annually to serve for two years, thus making it a permanent body. No compensation.]

President.

HIS HONOR, THE MAYOR, *ex officio.*

Acting President.

	Residence.
JOHN WRIGHT,	124 Wethersfield Ave.

Clerk.

HENRY F. SMITH,	29 Lorraine St.

Messenger.

WILLIAM H. WILLIAMSON,	52 Hazel St.

Salary, $100 per year.

First Ward.

HENRY JONAS,	50 Temple St.
Elected April 5, 1905. Term expires in April, 1907.	
THOMAS F. MURRAY,	22 South Prospect St.
Elected April 3, 1906. Term expires in April, 1908.	

Second Ward.

HERMAN P. KOPPLEMANN,	31 Canton St.
Elected April 5, 1905. Term expires in April, 1907.	
THOMAS F. NAGLE,	83 Windsor St.
Elected April 3, 1906. Term expires in April, 1908.	

Third Ward.

GEO. H. BILL,	4 East St.
Elected April 5, 1905. Term expires in April, 1907.	
THOMAS H. DAY,	27 Pliny St.
Elected April 3, 1906. Term expires in April, 1908.	

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Fourth Ward.

Residence.

HENRY S. ROBINSON, 133 Woodland St.
Elected April 3, 1906. Term expires in April, 1907.

WILLIAM H. CORBIN, 172 Collins St.
Elected April 3, 1906. Term expires in April, 1908.

Fifth Ward.

ELI E. BRUNELL, 180 High St.
Elected April 3, 1906. Term expires in April, 1907.

EARL D. CHURCH, 150 High St.
Elected April 3, 1906. Term expires in April, 1908.

Sixth Ward.

WARREN T. BARTLETT, 33 Capitol Ave.
Elected April 5, 1905. Term expires in April, 1907.

SEYMOUR S. KASHMANN, 143 Capitol Ave.
Elected April 3, 1906. Term expires in April, 1908.

Seventh Ward.

JOHN WRIGHT, 124 Wethersfield Ave.
Elected April 5, 1905. Term expires in April, 1907.

THOMAS B. HOWE, 43 Governor St.
Elected April 3, 1906. Term expires in April, 1908.

Eighth Ward.

JOHN WATSON, 46 King St.
Elected April 5, 1905. Term expires in April, 1907.

KARL J. BEIJ, 65 Julius St.
Elected April 3, 1906. Term expires in April, 1908.

Ninth Ward.

JOHN J. FOLEY, 131 Putnam St.
Elected April 5, 1905. Term expires in April, 1907.

JOHN H. BREEN, 1413 Broad St.
Elected April 3, 1906. Term expires in April, 1908.

Tenth Ward.

GEO. W. ZINN, 131 Madison St.
Elected April 5, 1905. Term expires in April, 1907.

STEWART N. DUNNING, 21 Girard Ave.
Elected April 3, 1906. Term expires in April, 1908.

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STANDING RULES OF BOARD OF ALDERMEN.

I. The Mayor, or in his absence the Acting President, or in their absence a president *pro tem.* who shall be appointed by the Board, shall preside, and, on the appearance of a quorum, shall call the members to order, and cause the record of the previous meeting to be read, that any mistakes in the entries may be corrected.

II. The presiding officer shall preserve order and decorum; may speak on questions of order in preference to other members, and shall decide questions of order subject to appeal.

III. The business in order, after reading of the record of the previous meeting, shall be, first, the reading and disposal of petitions, and each petition and memorial shall be referred to a committee, unless the Board shall otherwise order; second, the reading and disposal of reports of committees, reports of standing committees to have preference.

IV. When any Alderman is about to speak in debate, he shall rise from his seat and respectfully address the presiding officer; shall confine himself to the question under debate, and avoid personalities and imputing to any member improper motives.

V. If any Alderman, in speaking or otherwise, transgresses the rules of the Board, the Chair shall, or any member may, call to order; in which case the Alderman so called to order shall sit down, unless permitted to explain. When there is an appeal to the Board, and a decision in favor of the Alderman called to order, he shall be at liberty to proceed; if otherwise, he shall not be permitted to proceed without leave of the Board.

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VI. When a motion is made and seconded, it shall be stated by the Chair, or, being in writing, shall be read aloud before being debated. Every motion shall be reduced to writing if the Chair or any Alderman desire it; and during the time of debate, or when the presiding officer is speaking, no Alderman shall hold private discourse, or pass between the speaker and the Chair.

VII. No Alderman shall speak more than twice on the same question, or more than five minutes the first and ten minutes the second time, without leave of the Board.

VIII. The mover of a question may withdraw his motion at any time before a decision or amendment; and when a question has been decided, it shall be in order for any Alderman in the prevailing vote to move the reconsideration thereof, if, at the time, the subject matter shall be in possession of the Board; and such motion shall take precedence of all other questions, except a motion to adjourn.

IX. When a question is under debate, no motion shall be received but to adjourn, to lay on the table, for the previous question, to postpone indefinitely, to postpone to a day certain, to commit, or to amend; which several motions shall have precedence in the order in which they stand arranged. The motion to adjourn shall always be in order; that, and the motions to lay on the table, and for the previous question, shall be decided without debate.

X. The yeas and nays shall be taken when called for by five Aldermen; and, when taken, the names of the Aldermen shall be called in the order of wards.

XI. No Alderman shall be excused from voting on any question unless he is personally interested in the result, or shall be excused by vote of the Board; and no Alderman shall be permitted to vote after the decision is announced from the Chair.

XII. All nominations requiring confirmation by this Board alone shall be laid on the table without debate until the next meeting of the Board.

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XIII. Cushing's Manual shall be parliamentary authority in this Board except as hereinbefore provided.

XIV. Any of the foregoing rules of this Board may be suspended by a majority of its members present voting in the affirmative.

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COMMON COUNCIL BOARD.

1906-1907.

[Members of this Board are elected annually, and the term of each of the following will expire on the first Monday in April, 1907. No compensation.]

President.

	Residence.
MORGAN B. BRAINARD,	135 Washington St.

Vice-President.

CHARLES M. STARKWEATHER,	36 Forest St.

Clerk.

ANDREW G. NYSTROM,	70 Ann St.

[Office, 179 Allyn St.]

Salary $400 per year, and $100 for indexing Journal.

Messenger.

ARTHUR L. SAMPSON,	926 Main St; room 36.

Salary, $100 per year.

First Ward.

ROBERT C. BRAUN,	88 Grove St.
EDWARD L. LANGRISH, JR.,	29 Woodbridge St.
THOMAS F. MAHON,	150 Market St.
DANIEL SHEEHAN,	80 State St.

Second Ward.

MORRIS ZIFF,	30 Winthrop St.
PETER J. CONNERTON,	74 Avon St.
TIMOTHY A. DRISCOLL,	14 Portland St.
JOSEPH KATZ,	231 Market St.

Third Ward.

THOMAS J. CREIGHTON,	29 Barbour St.
FRANK W. WHITON,	118 Capen St.
FRANK E. BARTLETT,	44 Belden St.
CLAIR S. HUTCHINSON,	366 Windsor Ave.

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Fourth Ward.

	Residence.
CHARLES A. GOODWIN,	103 Woodland St.
FRANKLIN H. SEARLE,	26 Ashley St.
HARRY U. TUTTLE,	249 Blue Hills Ave.
ALEXANDER D. MACKINNON,	34 Deerfield Ave.

Fifth Ward.

SALVATOR D'ESOPO,	1179 Main St.
HARDY T. LOHMES,	32 Allyn St.
SAMUEL J. CARROLL,	24 Allyn St.
EDWARD B. MUNSELL,	365 Trumbull St.

Sixth Ward.

MORGAN B. BRAINARD,	135 Washington St.
LUCIUS B. BARBOUR,	130 Washington St.
WILLIAM T. SMITH,	58 Oak St.
DAVID SCHOFIELD,	57 Oak St.

Seventh Ward.

GEORGE W. SANFORD,	131 Jefferson St.
GEO. E. COX,	83 Seymour St.
FREDERICK W. MILLER,	31 Benton St.
EDWIN C. DICKENSON,	28 Bond St.

Eighth Ward.

W. HENRY DRAKE,	59 Lincoln St.
RALPH O. WELLS,	60 Allen Pl.
LAWRENCE R. LIBBY,	629 New Britain Ave.
ALEXANDER C. ROSE,	43 Lincoln St.

Ninth Ward.

JOEL W. JOHNSTON,	426 Park St.
ALFRED L. LILLEY,	168 Putnam St.
THOMAS W. RUSSELL,	774 Asylum Ave.
HENRY M. SPERRY,	12 Park Terrace.

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Tenth Ward.

	Residence.
THOMAS J. KELLEY,	199 Laurel St.
CHARLES M. STARKWEATHER,	36 Forest St.
LEON P. BROADHURST,	75 Oxford St.
CHARLES D. RICE,	24 Marshall St.

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STANDING RULES OF THE COMMON COUNCIL BOARD.

I. The President, or in his absence the Vice-President, or in their absence a member then elected by the Board, shall preside, and, on the appearance of a quorum, shall call the members to order.

II. The presiding officer shall preserve order and decorum; may speak on questions of order in preference to other members, and shall decide questions of order subject to an appeal to the Board.

III. The business in order shall be—First, disposal of minutes of last meeting; second, disposal of petitions; third, disposal of reports of committees. Every petition shall be referred to a committee, unless otherwise ordered by the Board.

IV. When any member is about to speak, he shall rise from his seat and respectfully address the presiding officer; shall confine himself to the question under debate, shall avoid personalities, and impute to no member any improper motives.

V. If any member, in speaking or otherwise, transgresses the rules of the Board, the Chair or any member may call him to order, in which case the member called to order shall sit down, unless permitted to explain by vote of the Board. If, after such explanation, or in the absence of the same, the call to order be insisted upon, the member called to order shall be at liberty to proceed only with permission of the Board on appeal of two members.

VI. When a motion is made, it shall be stated by the Chair, or, if in writing, it shall be read aloud before being debated. Every motion shall be reduced to writing if any member desire;

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and during the time of debate, or when the presiding officer is speaking, no member shall hold private discourse or pass between the speaker and the Chair.

VII. No member shall speak more than twice on the same question, or more than five minutes the first, and ten minutes the second time, without leave of the Board.

VIII. The mover of a question may withdraw his motion at any time before a decision or amendment; and when a motion has been carried, it shall be in order for any member in the majority to move the reconsideration thereof at any time while the papers appertaining to the same are in possession of the Board.

IX. When a question is under debate, no motion shall be received but to adjourn, to lay on the table, for the previous question, to postpone indefinitely, to postpone to a day certain, to commit or amend; which several motions shall have precedence in the order in which they are here arranged.

X. The yeas and nays shall be taken when called for by five members, and when taken, the names of the members shall be called by wards, beginning with the First Ward.

XI. No member shall be excused from voting on any question, unless personally interested in the result, or excused by the Board, and no member shall be permitted to vote after a decision is announced from the Chair.

XII. Cushing's Manual shall be parliamentary authority in this Board, except as hereinbefore provided.

XIII. Any of the foregoing rules of this board may be suspended by two-thirds of its members present voting in the affirmative.

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JOINT STANDING COMMITTEES.

[Appointed April 16, 1906. Term expires first Monday in April, 1907.]

Amusements.

Alderman George W. Zinn, Chairman ; Councilmen Thomas J. Creighton and George E. Cox.

Auditing.

City Controller Charles H. Robins, Chairman ; Alderman Warren T. Bartlett and Councilman Franklin H. Searle.

Cemeteries.

Alderman Thomas H. Day, Chairman ; Councilmen Frank W. Whiton and Lawrence R. Libby.

Charity Department.

Alderman Karl J. Beij, Chairman ; Councilmen Alfred L. Lilly and P. J. Connerton.

City Buildings.

Alderman John Watson, Chairman ; Councilmen Charles M. Starkweather and Samuel J. Carroll.

City Contracts.

Alderman John J. Foley, Chairman ; Councilmen W. Henry Drake and Joseph Katz.

Claims.

Alderman George H. Bill, Chairman ; Councilmen Charles A. Goodwin, Ralph O. Wells, and Henry M. Sperry.

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Contract and Supply.

His Honor the Mayor, President, *ex officio;* J. Howard Morse; Charles E. Parker, Secretary; James P. Berry and Joseph Buths.

Education.

Alderman Stewart N. Dunning, Chairman; Councilmen Joel W. Johnson and T. A. Driscoll.

Finance.

His Honor the Mayor, President, *ex officio;* the City Treasurer, Clerk; City Controller, also *ex officio;* Alderman Henry S. Robinson; Councilman George W. Sanford; Meigs H. Whaples and Ralph W. Cutler.

Fire Department.

Alderman John H. Breen, Chairman; Councilmen Hardy T. Lohmes and Harry U. Tuttle.

Manufactures.

Alderman Thomas F. Nagle, Chairman; Councilmen William T. Smith and Charles D. Rice.

Nominations.

Alderman Eli E. Brunell, Chairman; Councilmen Clair S. Hutchinson, Edward B. Munsell, and Edward L. Langrish, Jr.

Ordinances.

Arthur L. Shipman, Corporation Counsel, Chairman; Alderman William H. Corbin; Councilmen Salvator D'Esopo, Leon P. Broadhurst, and Edwin C. Dickenson.

Police Department.

Alderman John Wright, Chairman; Councilmen Frank E. Bartlett and Daniel Sheehan.

Printing.

Alderman Seymour S. Kashmann, Chairman; Councilmen Alexander C. Rose and Morris Ziff.

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Public Baths.

Alderman Thomas B. Howe, Chairman; Councilmen David Schofield and R. C. Braun.

Railroads.

Alderman Earl D. Church, Chairman; Councilmen Frederick W. Miller, Lucius B. Barbour, and T. J. Kelley.

Water Works.

Alderman John J. Foley, Chairman; Councilmen Thomas W. Russell and Thomas F. Mahon.

Ways and Means.

Alderman Thomas F. Nagle, Chairman; Councilmen Geo. W. Sanford and Alexander D. Mackinnon.

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JOINT SPECIAL COMMITTEES.

House of Comfort.

Alderman Seymour S. Kashmann, Chairman; Alderman Earl D. Church, Councilmen Morris Ziff, Geo. W. Sanford, Thomas W. Russell, and Charles D. Rice.

Restoration of City Hall.

Alderman Warren T. Bartlett, Chairman; Alderman Geo. H. Bill, Councilmen Thomas F. Mahon, Chas. A. Goodwin, Thos. W. Russell, and Leon P. Broadhurst.

Abatement of Assessments for Public Improvements.

His Honor the Mayor, Wm. F. Henney, Chairman, *ex officio;* Otis J. Hart, City Collector; Arthur L. Shipman, Corporation Counsel; Geo. H. Gilman and L. P. Waldo Marvin.

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JOINT STANDING RULES.

I. There shall be appointed the following named Joint Standing Committees, each to consist of one Alderman and three Councilmen:

ON CLAIMS.
ON NOMINATIONS.
ON RAILROADS.

And the following named Joint Standing Committees, to consist each of one Alderman and two Councilmen:

ON AMUSEMENTS.
ON CEMETERIES.
ON CHARITY DEPARTMENT.
ON CITY BUILDINGS.
ON CITY CONTRACTS.
ON EDUCATION.
ON FIRE DEPARTMENT.
ON MANUFACTURES.
ON POLICE DEPARTMENT.
ON PRINTING.
ON PUBLIC BATHS.
ON RAILROADS.
ON WATER WORKS.
ON WAYS AND MEANS.

II. The Aldermen and Councilmen on the above Committees shall be appointed each by their respective Boards, and no member of the Common Council Board shall serve on more than one Committee.

III. There shall be appointed a Joint Standing Committee of five on Ordinances; the Corporation Counsel shall be a member and chairman of this Committee, and there shall be ap-

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pointed one Alderman by the Board of Aldermen, and three Councilmen by the Common Council Board.

IV. There shall be a Joint Standing Committee of three, denominated the Auditing Committee; the City Controller shall be a member and chairman of said Committee, and there shall be one Alderman appointed by the Board of Aldermen, and one Councilman appointed by the Board of Councilmen, who shall hold office during the pleasure of the Board from which they were appointed; and every bill, account, or claim against the City shall be referred to said Committee for its approval or disapproval before the same shall be approved by the Court of Common Council, unless both branches of said Court concur in dispensing with such reference.

V. All nominations, except such as require the confirmation of the Board of Aldermen alone, shall be referred to the Committee on Nominations, without debate.

VI. The Chairman of all Joint Standing Committees, except the Committees on Ordinances and Auditing, shall be an Alderman.

VII. Each Committee of Conference on disagreeing action of the two Boards shall consist of an Alderman and two Councilmen who were in the prevailing vote of their respective Boards.

VIII. Whenever each Board shall have adhered to its vote of disagreement, the bill, the vote, or the resolution shall be lost.

IX. Every message from one Board to the other shall be announced at the door, and should be respectfully communicated to the Chair by the person or persons who convey the message.

X. Every petition, remonstrance, vote, resolution, ordinance, or report offered for the consideration of either of the Boards of Common Council, shall be fairly written on not less than one-half sheet of paper, and the member offering the same shall endorse on the back thereof the substance of the matter so offered in as concise a form as may be, and also his name, unless the paper so offered be the report of a committee.

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XI. All reports of Committees shall be in writing and accompanied by a form of such vote or bill as the Committee reporting shall recommend for the action of the Board. Upon the reading of the report, if no motion is made, the question shall be on its acceptance. Bills or votes reported by a Committee may be recommitted together with the report at any time before their passage or rejection.

XII. Every vote, resolution, remonstrance, petition, ordinance, or report which is referred to any committee or Board of Commissioners shall be reported from that Committee or Board of Commissioners to that Board of the Court of Common Council in which it originated.

XIII. Except as otherwise provided by law, all City contracts, all resolutions, petitions, or reports calling for the appropriation or expenditure of money, all resolutions relating to the appointing of City Officials or the filling of offices or vacancies therein, and all ordinances when not referred to a committee, shall be tabled for printing, provided, however, that any resolution, vote, petition, contract, or report, properly signed and endorsed and placed in the hands of the City Clerk at least three days preceding a meeting of the Council, may be acted upon at such meeting.

XIV. Neither Board of the Court of Common Council shall adjourn while there is business before either Board yet to be acted upon in concurrence.

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BOARDS OF COMMISSIONERS.

1906—1907.

Charity Commissioners.

Atwood Collins,	term expires	1907
William Bro Smith,	" "	1907
Charles L. Tuttle, Vice-President,	" "	1908
Richard J. Dillon,	" "	1908
J. Howard Morse, President,	" "	1909
Flavel S. Luther,	" "	1909

W. W. Stillman, Superintendent; H. G. Bailey, Clerk.

Fire Commissioners.

Daniel Readett,	term expires	1907
John S. Hunter,	" "	1907
William E. Sall,	" "	1908
Robert W. Dwyer,	" "	1908
Charles E. Parker, President,	" "	1909
James T. Murray,	" "	1909

George A. Reynolds, Clerk.

Health Commissioners.

Edward K. Root, M.D.,	term expires	1907
Thomas F. Kane, M.D., President,	" "	1907
Samuel G. Dunham,	" "	1908
Bernhard Lyon,	" "	1908
John F. Cosgrove,	" "	1909
Edward Eberle,	" "	1909

Gideon C. Segur, M.D., Clerk.

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Park Commissioners.

Henry Ferguson, President,	term expires	1907
George A. Fairfield,	" "	1908
Wm. DeLoss Love,	" "	1909
Francis Goodwin,	" "	1910
Willis I. Twitchell,	" "	1911
Lucius F. Robinson,	" "	1912
Chas. E. Gross,	" "	1913
Lewis C. Grover, Vice-President,	" "	1914
Philander C. Royce,	" "	1915
Frank A. Hagarty,	" "	1916

F. G. Whitmore, Secretary and Bookkeeper.
Geo. A. Parker, Superintendent and Business Agent.

Police Commissioners.

John H. Buck,	term expires	1907
Frank P. Furlong,	" "	1907
Henry Slesinger,	" "	1908
Clarkson N. Fowler,	" "	1908
J. Gilbert Calhoun,	" "	1909
James P. Berry, Acting President,	" "	1909

Wm. A. Baedor, Clerk.

Street Commissioners.

William Angus,	term expires,	1907
Wm. F. O'Neil,	" "	1907
Joseph Buths, President,	" "	1908
Francis R. Cooley,	" "	1908
L. P. Waldo Marvin,	" "	1909
Alfred P. Clifford,	" "	1909

George Nevers, Clerk.

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Water Commissioners.

Frank S. Carey,	term expires	1907
Ferdinand Richter,	" "	1907
Joseph M. Birmingham, President,	" "	1908
Frank C. Sumner,	" "	1908
Henry Souther,	" "	1909
Edward L. Smith,	" "	1909

Fred D. Berry, Secretary.

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STATEMENT OF VOTE OF CITY MEETING,
HELD FIRST TUESDAY IN APRIL, 1906.

CITY OFFICERS.

	WARDS.										
Mayor.	1	2	3	4	5	6	7	8	9	10	Total.
William F. Henney,	263	317	892	886	515	692	1222	864	678	1060	7389
William F. O'Neil,	566	593	551	510	348	519	702	668	529	354	5340
Charles F. Roberts,	35	53	40	15	46	38	48	58	41	24	398
P. H. C. Arms,	3	8	26	17	14	4		11	5	2	90
Treasurer.											
Charles H. Slocum,	284	343	935	916	542	713	1261	890	687	1084	7655
John M. Ney,	547	573	521	487	326	501	671	647	519	329	5121
Frederick Lechner,	35	52	42	15	17	39	51	57	42	24	374
Collector.											
Otis J. Hart,	301	360	908	923	552	720	1260	889	685	1062	7750
Miles B. Preston,	520	553	450	580	315	491	675	648	523	349	5004
William Mentze,	37	52	44	15	16	39	50	55	43	24	375
Controller.											
Charles H. Robins,	269	329	929	922	534	705	1261	868	680	1070	7567
William J. Sinnott,	559	585	525	484	335	508	678	666	532	341	5213
Jacob Breuer,	36	53	43	15	16	41	49	57	43	24	377
City Marshal.											
Hart Talcott,	261	324	916	902	523	673	1215	851	660	1069	7394
Philip H. Fagan,	569	600	544	506	346	540	714	686	550	344	5399
Jacob Kumpitsch,	35	51	42	17	16	39	51	55	44	23	373
Town Clerk.											
Henry F. Smith,	295	361	949	950	568	734	1322	914	733	1111	7937
Herman P. Kopplemann,	527	551	310	455	300	478	614	624	474	300	4633
Frederick Fellermann,	37	54	42	13	15	38	45	56	41	22	363
Registrars of Voters.											
Edward S. Young,	259	317	916	899	526	686	1232	864	676	1064	7439
William Cotter,	565	599	549	510	343	527	700	672	533	347	5345
Anton Rossmeisl,	35	52	44	14	16	39	49	56	43	24	372
Selectmen.											
Halsey B. Philbrick,	258	298	893	900	523	682	1223	860	671	1061	7369
John W. Titcomb,	267	316	902	905	521	687	1220	863	671	1069	7421
William J. Tolhurst,	263	323	919	910	524	683	1229	863	673	1072	7459
Sidney L. Bacharach,	553	617	557	502	339	526	698	674	536	349	5351
John W. Nolan,	552	583	547	495	341	521	702	677	535	345	5298
James J. Laragy,	566	564	529	496	343	523	702	678	535	342	5278
Louis Newhouse,	35	53	47	15	16	39	50	58	44	24	381
James B Williams,	35	53	47	22	16	41	49	57	45	24	389
Joseph Rossmeisl,	35	53	44	15	16	40	49	57	43	24	376

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Grand Jurors.	WARDS. 1	2	3	4	5	6	7	8	9	10	Total.
Edward L. Steele,	266	318	922	909	525	690	1240	866	679	1068	7483
Salvator D'Esopo,	263	317	911	907	522	688	1226	863	675	1065	7437
Lucius F. Robinson,	267	319	920	907	527	691	1238	864	676	1064	7473
John J. McKone,	569	600	541	501	345	524	698	675	532	345	5330
Frederick G. Eberle,	574	600	553	502	347	525	707	677	534	352	5371
Frank B. Williams,	569	599	547	506	343	523	699	677	533	348	5344
Alois Kumpitsch,	35	54	44	15	16	39	49	57	43	24	376
Christ Simon,	35	53	45	15	16	39	49	58	44	24	378
Frederick Bauerle,	34	53	44	17	16	39	51	57	44	24	379
High School Committee.											
Archibald A. Welch,	267	318	948	903	535	691	1226	860	674	1065	7487
Frederick W. Davis,	266	323	955	909	534	693	1236	867	675	1062	7520
John J. McCook,	265	324	960	914	536	694	1252	875	679	1072	7571
Joseph Schwab,	568	606	555	518	344	519	712	679	540	358	5399
L. P. Waldo Marvin,	574	602	553	510	349	525	716	687	540	355	5411
Hugh O'Flaherty,	571	601	548	503	345	521	700	673	534	342	5338
Joseph Eichinger,	25	52	44	15	16	39	51	57	42	24	365
Albert H. Gierginsky,	34	53	44	15	16	39	49	57	42	24	373
Frederick Schwarz,	35	53	42	15	16	39	49	59	42	25	375
School Visitors.											
Francis Parsons,	365	323	961	912	534	698	1238	870	681	1073	7555
James J. Peard,	266	319	958	914	536	693	1248	867	681	1070	7552
Thomas F. Kane,	572	605	547	507	344	522	724	679	536	345	5381
Michael Bailey,	565	608	547	505	344	518	692	675	532	344	5330
Gustave A. Holland,	36	53	44	16	16	39	49	58	43	24	378
Charles E. Fantone,	38	53	44	15	17	39	49	58	43	24	380
Appropriation of $30,000 for Northwest Engine House.											
Yes,	211	173	372	580	240	354	555	304	280	550	3619
No,	58	45	67	77	52	99	180	125	70	139	912
Appropriation of $22,000 for Windsor Street Sewer System.											
Yes,	189	173	313	381	202	306	455	242	216	435	2912
No,	56	51	94	112	54	93	190	121	70	162	1003
Consolidation of Districts.											
Yes,	130	96	337	345	171	262	454	387	194	146	2522
No,	162	196	277	371	198	294	499	329	223	591	3140
License to sell Spirituous and Intoxicating Liquors.											
Yes,	401	283	428	600	365	503	771	490	354	611	4806
No,	86	76	193	230	92	159	312	251	161	296	1856
Shall Selectmen be Elected Biennially.											
Yes,	141	112	247	315	162	260	408	289	218	423	2575
No,	56	50	62	85	45	66	130	100	63	116	773

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Statement of Vote of City Meeting

HELD FIRST TUESDAY IN APRIL, 1906.

WARD OFFICERS.

First Ward.

Alderman.

Louis Elsner,	265
*Thomas F. Murray,	571

Councilmen.

Thomas H. Walsh,	265
Fred W. Kleam,	267
John Calandrillo,	267
Christian Vetter,	260
*Robert C. Braun,	570
*Edward L. Langrish, Jr.,	563
*Thomas F. Mahon,	568
*Daniel Sheehan,	576

Second Ward.

Alderman.

Morris Older,	353
*Thomas F. Nagle,	562

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Councilmen.

*Morris Ziff,	316
Charles W. Fenn,	319
Joseph M. Muzio,	318
Louis Fierberg,	314
*Morris Ziff,	595
*Peter J. Connerton,	600
*Timothy J. Driscoll,	597
*Joseph Katz,	599

Third Ward.

Alderman.

*Thomas H. Day,	908
Louis Levy,	561

Councilmen.

*Thomas J. Creighton,	920
*Frank W. Whiton,	922
*Frank E. Bartlett,	921
*Clair S. Hutchinson,	915
Charles C. Nagle,	547
Isidor E. Goldberg,	545
Ernest Davis,	543
Louis F. Eisele,	548

Fourth Ward.

Alderman.

*William H. Corbin (two years),	910
*Henry S. Robinson (one year),	903
Elijah A. Kenyon (two years),	499
David A. Broughel (one year),	503

Councilmen.

*Charles A. Goodwin,	906
*Franklin H. Searle,	909
*Harry U. Tuttle,	909

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*Alexander D. Mackinnon,	905
George F. Barrett,	505
William J. Rankins,	504
Henry McManus,	507
Richard A. Hassett,	506

Fifth Ward.

Alderman.

*Earl D. Church (two years),	490
*Eli E. Brunell (one year),	512
Isaac R. Blumenthal (two years),	375
John F. Gaffey (one year),	356

Councilmen.

*Salvator D'Esopo,	520
*Hardy T. Lohmes,	527
*Samuel J. Carroll,	525
*Edward B. Munsell,	520
John J. Scott,	345
William H. Emmett,	339
Martial A. Scharton,	338
John W. Rodgers,	351

Sixth Ward.

Alderman.

*Seymour S. Kashmann,	662
Fred P. Holt,	549

Councilmen.

*Morgan B. Brainard,	678
*Lucius B. Barbour,	685
*William T. Smith,	684
*David Schofield,	677
James Krogh,	539
Russell J. Young,	532
James H. Clarkin,	526
Peter A. Daly,	529

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Seventh Ward.

Alderman.

*Thomas B. Howe,	1239
George Watson Beach,	697

Councilmen.

*George W. Sanford,	1226
*George E. Cox,	1224
*Frederick W. Miller,	1226
*Edwin C. Dickenson,	1237
John W. Scanlon,	708
Seymour E. Smith,	719
Napoleon L. Provost,	698
Louis S. Main,	695

Eighth Ward.

Alderman.

*Karl J. Beij,	780
Frank S. Cushman,	751

Councilmen.

*W. Henry Drake,	850
*Ralph O. Wells,	851
*Lawrence R. Libby,	856
*Alexander C. Rose,	846
Henry A. Grim,	689
William Walsh,	684
Joseph L. Slattery,	686
Edwin E. Lamb,	690

Ninth Ward.

Alderman.

*John H. Breen,	673
Walter R. Pinney,	536

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Councilmen.

*Joel W. Johnson,	676
*Alfred L. Lilley,	662
*Thomas W. Russell,	674
*Henry M. Sperry,	670
Carl F. D'Arche,	539
Michael J. Welch,	541
Bernard A. Malley,	542
Lew W. Wagner,	543

Tenth Ward.

Alderman.

*Stewart N. Dunning,	1052
James Pullar,	362

Councilmen.

*Thomas J. Kelley,	1067
*Charles M. Starkweather,	1067
*Leon P. Broadhurst,	1065
*Charles D. Rice,	1068
William P. Bunnell,	345
Hector Levesque,	349
Carl Jansenback,	345
Joseph M. Lally,	347

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Mayors of the City of Hartford.

The City was incorporated May 29, 1784, and until 1825 the Mayor held his office during the pleasure of the General Assembly. Since 1825 he is elected for two years.

Hon. Thomas Seymour,*	Elected June 18, 1784,	to May 28, 1812
" Chauncey Goodrich,	" June 8, 1812,	to Sept. 9, 1815
" Jonathan Brace,	" Sept. 9, 1815,	to Nov. 22, 1824
" Nathaniel Terry,	" Nov. 22, 1824,	to Mar. 28, 1831
" Thomas S. Williams,	" Mar. 28, 1831,	to April 27, 1835
" Henry L. Ellsworth,†	" April 27, 1835,	to June 15, 1835
" Jared Griswold,‡	" June 15, 1835,	to Nov. 22, 1835
" Jeremy Hoadley, Sen. Ald.,	" Nov. 23, 1835,	to April 18, 1836
" Henry Hudson,	" April 18, 1836,	to April 28, 1840
" Thomas K. Brace,†	" April 20, 1840,	to April 17, 1843
" Amos M. Collins,	" April 17, 1843,	to April 19, 1847
" Philip Ripley,	" April 19, 1847,	to April 21, 1851
" Ebenezer Flower,	" April 21, 1851,	to April 18, 1853
" Wm. James Hamersley,	" April 18, 1853,	to April 17, 1854
" Henry C. Deming,	" April 17, 1854,	to April 12, 1858
" Timothy M. Allyn,	" April 12, 1858,	to April 8, 1860
" Henry C. Deming,†	" April 9, 1860,	to Jan. 27, 1862
" Charles Benton,**	" Feb. 10, 1862,	to April 14, 1862
" Wm. James Hamersley,	" April 14, 1862,	to April 11, 1864
" Allyn S. Stillman,	" April 11, 1864,	to April 9, 1866
" Charles R. Chapman,	" April 9, 1866,	to April 1, 1872
" Henry C. Robinson,	" April 1, 1872,	to April 6, 1874
" Joseph H. Sprague,	" April 6, 1874,	to April 1, 1878
" George G. Sumner,	" April 1, 1878,	to April 5, 1880
" Morgan G. Bulkeley,	" April 5, 1880,	to April 2, 1888
" John G. Root,	" April 2, 1888,	to April 7, 1890
" Henry C. Dwight,	" April 7, 1890,	to April 4, 1892
" William Waldo Hyde,	" April 4, 1892,	to April 2, 1894
" Leverett Brainard,	" April 2, 1894,	to April 6, 1896
" Miles B. Preston,	" April 6, 1896,	to April 2, 1900
" Alexander Harbison,	" April 2, 1900,	to April 7, 1902
" Ignatius A. Sullivan,	" April 7, 1902,	to April 4, 1904
" William F. Henney,	" April 4, 1904	

* Resigned to the General Assembly. † Resigned. ‡ Died in office.
** Elected by Court of Common Council.

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Clerks of the City of Hartford.

William Adams,	Elected	June	28, 1784
Solomon Porter,	"	March	28, 1796
William Whitman,	"	March	25, 1805
Jeremiah Brown,	"	March	31, 1817
Isaac Spencer, Jr.,	"	March	25, 1822
William Connor,	"	March	29, 1824
Henry Francis,	"	April	19, 1841
Henry H. Fitch,	"	April	14, 1856
Henry Francis,	"	April	13, 1857
Levi Woodhouse,	"	April	9, 1860
Edward Wadsworth,*	"	April	11, 1864
George S. Burnham,†	"	April	21, 1864
John K. Williams,†	"	July	18, 1864
Levi Woodhouse,	"	April	9, 1866
Gurdon Robins,	"	April	1, 1872
Henry K. Barber,	"	April	7, 1873
John E. Higgins,	"	April	6, 1874
Levi Hotchkiss,	"	April	5, 1880
John E. Higgins,	"	April	4, 1881
Henry F. Smith,	"	April	2, 1894

* Declined.

† Elected by the Common Council.

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Mayor's Annual Message

TO THE

Court of Common Council

Delivered in Joint Convention, Monday Evening,
April 16, 1906

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Annual Message.

To the Court of Common Council:

In reviewing the work of the past year the result of the financial operations of the City is most gratifying. April 1, 1905, we carried forward to the new account a balance of $34,744.94.

The total receipts up to April 1, 1906, were		$1,641,636.21
and the total disbursements were . .		1,443,536.09
leaving a surplus of receipts over disbursements, at the close of the year of . .		$198,100.12
From this balance the following appropriations have been made:		
Paid on Permanent Improvement Debt, . . .	$50,000.00	
Appropriated for Pope Park Parkway, . . .	8,000.00	
Albany Avenue Improvements	9,060.85	
Franklin Avenue Relief Sewer,	149.06	
Southwest Intercepting Sewer	1,956.56—	$69,166.47
Leaving cash on hand at the beginning of the year, ...		$128,933.65

The above is exclusive of the Connecticut River Bridge account, which is as follows:

There has been issued during the past year $1,000,000 Connecticut River Bridge Bonds, making a total of $2,000,000 bonds issued for this purpose, for which the City realized in premiums $55,353.34 (net).

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Of the appropriation of $2,104,000 for the Connecticut River Bridge and Approaches, the City has expended $1,745,000. There is now due the Connecticut River Bridge and Highway District Commissioners $359,000. To meet this amount the City has cash in reserve $310,353.34. There will be required $48,646.66 to complete payments on the appropriations.

PERMANENT IMPROVEMENTS.

The expense of the following permanent improvements will have to be met during the present fiscal year, which can be done without adding to our permanent improvement debt, by utilizing the surplus cash carried over from last year ($128,933.65) and the appropriation of $50,000 for this account, making a total available for these purposes of $178,933.65:

Connecticut River Bridge (balance), .	$48,646.66
Albany Avenue Improvements (balance),	10,939.15
New Steel Cells at Police Station, .	24,000.00
Northwest Engine House and equipment	30,000.00
Windsor Street sewer, . . .	22,000.00
	$135,585.81

In addition to the above-mentioned permanent improvements, the expense falling on the City for the elimination of grade crossings can also be met in the same manner.

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CITY DEBT.

The total debt, April 2, 1906, was . .		$6,059,454.00
Less Sinking Fund, .	$938,106.00	
Less Water Debt, . .	675,000.00—	1,613,106.00
Net Debt,		$4,446,348.00

The Sinking Fund has increased during the past year $98,526.00.

The debt of the Water Department, bearing interest at 4 per cent., matures July 1st, 1918, with an option of redemption July, 1908. It is the intention of the Board, I understand, to retire $200,000 of these bonds, out of the surplus already accumulated, amounting to upwards of $300,000. There are two issues of City bonds maturing in 1909, namely, $750,000 of consolidated town bonds, July 1st, and $205,973 Permanent Improvement Debt, October 1st. No other bonds mature until July 1st, 1918. Those maturing in 1909 will be paid for out of the Sinking Fund, which at that time will suffice for the purpose. I have appended to this message a table showing the maturities of the various funded debts of the city. There is no floating indebtedness.

As I have recommended hitherto, it would seem prudent to provide in the near future a special sinking fund to meet the Bridge bonds at maturity, and we should set aside annually out of our current revenue an amount equivalent to one-quarter of a mill on the grand list for that purpose.

REDUCTION OF THE TAX RATE.

The rate of taxation in Hartford is high. The City and Sinking Fund tax amounts to 18 mills on the dollar. The

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school district tax will average 5 mills additional, making a total tax rate of 23 mills. The large surplus accumulated during the year just passed should enable us to reduce the tax rate for next year; for that surplus enables us to pay for all the permanent improvements now in sight during the year on which we have entered, without increasing our indebtedness or appropriating current revenue. Under these circumstances, with prudent management, we should be able to save enough from the current operations of the year to warrant us in making a substantial reduction of the tax rate. Two other circumstances will assist us, first, the estimated revenue is considerably less than the probable receipts, as the estimates of the Finance Board are admitedly very conservative; second, the normal increase in the grand list during the year will make a substantial addition to the revenue for the following year. If we work steadily and systematically toward this end we shall doubtless be able to reduce the tax next year one mill on the dollar, and possibly more. Such a result will mark a long step forward in our industrial progress; for it is well known that enterprises are attracted and encouraged by a decreasing tax rate, and repelled and discouraged by an increasing one.

CONTINGENT FUND.

The report of the Board of Finance provides a contingent fund of $38,831.25, a fund larger by something like $12,000 than that of the preceding year; but this fund must be carefully husbanded, for out of it must be paid the expense of ten additional patrolmen, amounting to upwards of $10,000, and such contingencies must be met as have not been provided for by

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special appropriation. Extra appropriations should be emphatically discouraged; and the regular appropriations, made by your Honorable Body upon the recommendation of the Board of Finance, should not be exceeded by any department except under circumstances of the most urgent necessity. The Departments should understand that the Court of Common Council will not favor further appropriations than those already made, except in the case of an unforeseen emergency. Extra appropriations have been our bane in the past and have figured as a floating indebtedness until they have grown to proportions sufficiently dignified to demand a bond issue. Experience has taught us to avoid this danger, and we will do well to profit by it.

STREET DEPARTMENT.

The work of this Department is elaborately set forth in the admirable and exhaustive report which is transmitted herewith. The total amount appropriated to this department was $307,607 and there was expended $299,067.68, leaving an unexpended balance of $8,539.32.

Attention is called to the condition of the pavement on Asylum Street, Ford Street, Central Row and State Street. No specific recommendation is made, however, except as to Asylum Street, and that must be postponed until the question of the kind of rail to be used in the street is disposed of. I am glad to note that the Board is experimenting with a plan for flushing the improved pavement, which promises gratifying results. The report deals at length with the matter of street cleaning in general, and I commend to your consideration the

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suggestions therein made. The proposition to bring surrounding towns closer to Hartford by an improved trolley service has raised a question, as yet unsettled, as to what rail should be used for the contemplated improvements. The Street Board have insisted that a grooved rail should be used. As a result of a number of conferences, the Street Commissioners make this statement in their report: "This Board has since had a further communication from Mr. Townley, first Vice-President of the Consolidated Railway Company, requesting the consideration and eventual selection of a grooved rail better than the one now in use. As our citizens very much desire further improved railway service, we believe that an improved grooved rail could be designed acceptable both to the Railway Company and to the City." This whole matter is one of very serious importance and will demand your most careful attention. Improved trolley service doubtless means increased trade; but the Court of Common Council must see to it that in any changes rendered necessary by this service, the City's interests, present and future, are duly safeguarded. A report concerning the elimination of the grade crossing on Garden Street has already been submitted to your Honorable Body, and proceedings for the elimination of Walnut Street grade crossing are now pending before the Railroad Commissioners.

CHARITY DEPARTMENT.

The report of the Board of Charity Commissioners is interesting in every detail and should have your careful consideration. It deals with hospital work done under the supervision of the Board, with outdoor alms, with the poor cared for at the

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Almshouse, and is accompanied by a number of tables, which throw light upon the Board's work.

It appears that the Board expended during the past year a total of $107,729, and has collected and turned over to the treasurer $1,731.98. Aid was rendered to persons not inmates of institutions, as follows: 102 families consisting of 490 persons, of whom 158 were adults and 332 children. Transportation was provided for 237 persons, and 1,383 orders have been given for attendance by the city physician, and medicines have been furnished at an expense of $441.80. April 1st, 1906, 55 families were still receiving aid. April 1, 1906, there were 353 inmates at the Almshouse, of whom 237 were males and 116 females. There have been 313 insane and imbecile patients cared for during the year outside of the Almshouse. Of this number 280 remain on expense April 1, 1906. A total of 360 persons have received treatment at the Hartford and St. Francis' Hospitals during the year, at the expense of the city. On April 1st, 1906, 33 city patients were at the Hartford Hospital and 3 at St. Francis'.

The work of this board is exacting, and demands a great deal of time and attention, and the tables accompanying the report deserve careful study as indicating what Hartford is doing for its dependent classes.

WATER DEPARTMENT.

From the report of the Commissioners it appears that the receipts for the year amounted to $271,341.74, and the disbursements were $172,838.99, leaving a surplus for the year of $98,502.75. This Commission has accumulated a surplus fund of upwards of $300,000 against a bonded indebtedness of

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$675,000. The installation of meter service in this department has been amply justified by the marked decrease in the daily consumption of water, brought about largely by the stoppage of leaks. The City has had an abundant supply of pure water, and reckless and wanton waste has largely ceased with the introduction of the meter. The experiment has been watched by other cities, and many inquiries for data concerning it have been received. The affairs of the Board are in a highly satisfactory condition, and its work has been well done and has given general satisfaction. With our present water supply the amount required for properly flushing the improved pavement can be readily spared, and I hope this system of street cleaning will be adopted. As soon as practicable the streets on which improved pavement is laid should be connected by piping with the Garden Street Reservoir, and the water from that reservoir used for street cleaning purposes.

POLICE DEPARTMENT.

The appropriation to this department for the year just ended was $134,476.50 and it returned to the treasury an unexpended balance of $1,654.11. During the year, your Honorable Body authorized the addition of ten regular patrolmen to the force, and this increase should materially aid in rendering the department effective. In addition to the drilling exercise, the force are being trained in revolver practice, and it is expected that a reasonable skill in the use of this weapon will result. The steel cells in the Police station, heretofore ordered by your Honorable Body and approved by vote of the people, have arrived and preparation for their installation is being made.

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The building in which they are to be placed is the old prison building at the northwest corner of the new station house and fronting on Temple Street. The west wall is very close to the line of the city's property, and if a building should be put up by the adjoining proprietor at or near his east line, it would be very difficult, if not impossible, to ventilate the prison building. The cells are of the best steel, furnished with the most modern equipment, but are bound to be more or less crowded and awkward of access in the building for which they were designed. There is a vacant strip of land adjoining the city's property on the west, about ten feet in width, and running completely through from Temple Street to Kinsley Street, which it seems to me the city should acquire for its own protection. I suggest that this matter be referred to the City Buildings Committee for examination and report at as early a date as possible.

HEALTH DEPARTMENT.

The appropriation for this department for the past year was $15,215, and it expended $15,001.87. The report is accompanied by a carefully prepared table of receipts and disbursements, as well as tables of vital statistics which are interesting and important, not only for the information they contain but as a matter of record. Under an ordinance passed by your Honorable Body, this Board has taken over and is administering the milk inspection department, and has formulated rules and prepared blanks for the use of dealers. The report indicates that a great majority of the dealers are co-operating earnestly with the department in its efforts to secure a pure milk supply, and it is expected that the energetic measures taken will

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produce a marked improvement in the quality of milk delivered.

A single case of small-pox is reported, occurring in December, 1905, which was treated at the contageous hospital and discharged cured. The report recommends systematic flushing of the improved pavement, paving with modern pavement the east side business streets, and all alleys in the center of the city, filling in breeding places for mosquitoes, and cleaning up Park River, all of which suggestions are wholesome, and should receive due consideration.

It is noted that we have had during the year 198 cases of typhoid fever reported, with 17 deaths. The Board calls attention to the fact that this is a preventable disease, and that many cases were traced directly to contaminated water supply and impure ice.

FIRE DEPARTMENT.

The financial showing of this department is highly creditable. Out of its regular appropriation of $149,050 a new truck was purchased and paid for, its current expenses met, and $3,446.14 turned back into the city treasury.

During the year just closed the city has escaped serious conflagrations. The largest losses were occasioned by the fires in the Boardman Building, on Asylum Street, the storehouse of Wise, Smith & Company, and the Day building on the corner of Asylum and Trumbull Streets. The system of inspections of buildings in the business sections of the city, instituted and carried on by this department, can not be too highly commended. The more rigid these inspections, the better. For the common safety all dangerous conditions found to exist should be summarily dealt with. The people having voted to

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approve the appropriation for the new engine house west of Vine Street, steps should be taken, with all reasonable expedition, to give this section the much needed protection. An appropriation having been made to replace No. 6 with a new engine, the matter will be taken up at once. The Commission repeat their recommendations heretofore made for making No. 1 a permanent company, and providing the department with a permanent clerk. They also favor the passage of an ordinance stopping all traffic in the streets within the fire limits of the city upon the ringing of an alarm.

PARK DEPARTMENT.

The "Souvenir of the Public Parks of Hartford," issued by the Park Commissioners recently, gives in a pictorial form a review of the work of this Department for ten years. The city was fortunate in beginning the construction of its park system at a time when lands could be secured and improved at far less expense than would now be possible. It has also been greatly favored with generous gifts. The city's issue of park bonds was $300,000. A moderate valuation of its four larger parks, Goodwin, Elizabeth, Pope and Riverside, aggregates $675,000, and the valuation of the entire system, aside from Keney Park, is nearly two millions. The maintenance of this system, notwithstanding the increase cost of materials and labor, has not exceeded the minimum estimate, made ten years ago, of one-half mill on the grand list as then made up to include certain corporation stocks. The system is now substantially complete, any further development being in the line of public playgrounds as the demand may arise; and by an arrangement between the Park Board and the Keney Park

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Trustees, it is under the care of one superintendent, an arrangement desirable both for efficiency and economy. Including Keney Park, it appears that the city has contributed by its bond issue less than one-fourth the cost of purchase and improvement of the new parks of the system. The expense of maintenance will depend upon the standard of culture which our citizens may demand; but with good management it is not likely that this expense will increase for many years as the system now exists. Our citizens should duly appreciate their good fortune and assist in making our public parks of greatest use to the people. The experience of other cities indicates that there is likely to be an increasing demand for public playgrounds and our city must be prepared to meet this demand as it can with wisdom and economy. The Board of Park Commissioners has begun work in laying out the parkway across Pope Park, as recently ordered by the Common Council, and it is expected that the work will be completed by the first of July.

In the acceptance of Colt Park the city has added to its system a most valuable tract for public use. Certain changes and improvements must be made at once. An entrance opposite Morris Street must be provided and a roadway through the park, which should be supplemented as soon as may be with a circuit drive. With the removal of fences and valueless trees, the preparation of fields for baseball, football and other physical exercises, and the use of the greenhouses and adjacent land for school gardens, it will be found that the city has a park sufficiently developed for public use. Several years ago, the Park commissioners, after a careful study of the matter, have judged it expedient and in the interest of economy, to make all these improvements at once, and to provide for the expense the Board has appropriated the sum of three thousand dollars from

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the remainder of its bond fund. The increased expense of maintenance will be small, and the park will thus be made of immediate use to the public. It is the desire of the Commissioners to encourage in every way within their annual appropriation the use of this park as a public play-ground.

CORPORATION COUNSEL.

In addition to the court and solicitor work of the City, which has been conducted with marked ability, the corporation counsel has found opportunity to compile and index, in a convenient volume, the charter and ordinances down to date. The first proof has been received, and the completed publication will soon be in your hands. Under present rules the Mayor is a member of the Ordinance Committee, but the Corporation Counsel is not. A much better arrangement would be to substitute the corporation counsel for the mayor on that committee. All ordinances have to be submitted to the counsel, and most of them are drawn by him. His presence at meetings would save much time and add much to the efficiency of the committee. This arrangement would relieve the mayor, and I hope your Honorable Body will adopt it without delay.

CITY SINKING FUND.

I transmit herewith the report of the Connecticut Trust and Safe Deposit Company, agent of the City Sinking Fund, showing in detail how that fund has been managed, and its results. The account speaks for itself and shows the wisdom of placing financial matters in the hands of financial experts. A glance at the statement will show that the city's obligations

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maturing in 1909 are amply provided for. The total par value of the investments held by the Sinking Fund on April 1, 1906, as shown by the report is $877,473 13
The cash on hand at that date is . . . 60,633 00

Total fund, ... $938,106 13

The revenue from interest on investments and taxes during the year was very nearly $102,000. The obligations maturing in 1909 amount to $1,005,973. At the present rate of increase more than $300,000 will be added to the fund by April 1909. I make a single suggestion with regard to Sinking Fund investments, which was made to me, by President Whaples of the Connecticut Trust and Safe Deposit company, and which I heartily approve.

Many cities borrow money on short-time notes, in anticipation of tax receipts. These notes are very convenient and altogether safe investments for such a fund as ours. The ordinance relating to the fund should be amended so as to allow the agent to invest in these city notes. I would respectfully ask your early attention to this suggestion.

BUILDING INSPECTOR.

In addition to the routine work of this department, which has received constant and intelligent attention, the building inspector and his assistant have done much to secure safety from fire by the systematic inspection of alleys and gangways, and the prevention of accumulations of rubbish and inflammable material therein.

Complaint is heard from time to time, of our building laws. They are not perfect; but they furnish a reasonably safe and convenient system for a city of the size of Hartford, and,

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except in rare instances, the less they are tampered with, the better. Constant tinkering with our building ordinances will cause more loss and annoyance to the builder than a defective system that has the merit of stability.

We are in an era of great prosperity, and the building operations of the city during the present year should be unusually extensive.

CONCLUSION.

In conclusion I beg to call your attention to two amendments of the charter, made by the last Legislature, and their effect.

You will remember that, at its last session, the General Assembly created a Board of Finance, and a Board of Contract and Supply, for Hartford.

During the past year the Board of Finance has rendered diligent and competent service. Two of its members were trained experts in the field of finance, and all of its members were skilled and experienced in city affairs. Every recommendation they made was approved and adopted, without amendment, by the Court of Common Council — a gratifying tribute to the character of their work. We are much their debtors for faithful and valuable service, and will be more so, I believe, in the years to come. Another charter amendment of great value to the City is that creating the Board of Contract and Supply. This Board has already justified its existence by saving large sums for the City through the system of competitive bids. By this system, every man dealing with the city has a fair and square show, and is held rigorously to his agreement by a substantial surety bond. The Board is a great

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relief, I have no doubt, to the various commissioners, and enjoys the confidence of the public. Should it ever lose that confidence, its usefulness would end. In this connection I would urge upon you the necessity of the city having its own coal pocket. The land recently purchased from the Colt estate is convenient and available. The City purchases annually about 3,000 tons of coal. Last year it paid the same price as the individual who bought only a ton. This year we should buy direct from the mines and get our coal at wholesale prices. A committee should be appointed at once to act in this suggestion.

But I am unwilling to stop here with charter changes. We want and must have a civil service Board, and application should be made for such an amendment to the next Legislature. No clerk who is giving faithful and competent service should be liable to removal upon a change in the administration. No clerk or other officer should be given a position in the public service without satisfactory evidence of his character and qualifications. Appointments should be based on merit, only, determined by appropriate competitive examinations. Tenure of office should be during good behavior. The provisions for a civil service Board in the rejected charter would make a valuable and effective amendment to our present one.

Moreover, we want a system of single-headed commissions similar to that proposed in the rejected charter. Such an arrangement would immensely increase the efficiency of each department, and make somebody squarely responsible for its failures. A former Court of Common Council has approved these provisions. I hope the present one will recommend to the General Assembly their adoption as a charter amendment.

Your attention is called to the report of the city engineer on proposed East Side improvements. These improvements

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will probably include a dyke, or gates, where needed in the present valley road embankment, and an interceptor along the river front, and a pumping station. The preliminary engineering will require a year at least, and $3,000 has been appropriated and is available to cover this expense. When this is completed and a plan in detail is submitted, it may be feasible to do the work in sections and pay for it out of current surplus revenue. As a general rule this is the best plan for undertaking public improvements, and is the safe, if old fashioned, policy, of paying as you go. This plan has been adopted with regard to eliminating grade crossings, and, beginning, as we have, with Walnut Street, I hope to see all the grade crossings in the city abolished, one at a time, and each paid for out of current annual revenue.

We are entering together on a year of hard work and great responsibility. Our action should be harmonious and energetic to produce the best results. To this end let us lay aside, in our work, all political distinctions and considerations, and know nothing in motive or action but the good of Hartford. So striving together we shall do much for our city, and will justify the confidence and deserve the respect of our fellow citizens.

I cannot refrain in closing from calling your attention to the exceptionally representative character of the present Court of Common Council. This is as it should be, for this fair city of ours is entitled to the best that we can give it. The mayors of Hartford, as a general rule, should be selected from the Court of Common Council; for the members of that body are specially trained in municipal service and should be able to give the city an administration in keeping with its needs. It would stimulate the ambition of many a capable and earnest young

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man if he knew that in entering the Common Council he was taking his first step on his way to the mayoralty. Such an ambition would bring many of our younger and talented citizens into the service of the city and would give to such a definite purpose and a laudable aim in deserving well of their fellow citizens. I hope in the years to come this policy will be adopted as a fundamental, though unwritten, law of Hartford.

WILLIAM F. HENNEY,

Mayor.

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TABLE OF BONDED INDEBTEDNESS WITH MATURITIES.

Reservoir Construction Bonds. Gold—Coupon.	
Issued August 1, 1893. Redeemable after July 1, 1908. Mature July 1, 1918.	
Interest, 4 per cent. Payable January and July, . .	$200,000.00
Consolidated Water Bonds. Gold—Coupon.	
Issued October 2, 1893. Mature July 1, 1918.	
Interest, 4 per cent. Payable January and July, . .	475,000.00
WATER DEBT, . . .	$675,000.00
Consolidated Town Bonds. Coupon.	
Issued July 1, 1889. Mature July 1, 1909.	
Interest, 3 per cent. Payable January and July, . .	$750,000.00
Funding Bonds. Gold—Coupon.	
Issued October 2, 1893. Mature July 1, 1918.	
Interest, 4 per cent. Payable January and July, . .	290,000.00
Public Improvement Bonds. Gold—Registered.	
Issued January 1, 1897. Mature January 1, 1922.	
Interest, 3½ per cent. Payable January and July, .	250,000.00
Refunding Capitol Bonds. Gold—Registered.	
Issued January 1, 1897. Mature January 1, 1922.	
Interest, 3½ per cent. Payable January and July, .	800,000.00
Refunding Town Bonds. Gold—Registered.	
Issued May 1, 1897. Mature May 1, 1922.	
Interest, 3½ per cent. Payable May and November, .	270,000.00
Police Department Bonds. Gold—Registered.	
Issued January 1, 1898. Mature January 1, 1923.	
Interest, 3½ per cent. Payable January and July, .	75,000.00
Park Improvement Bonds. Gold—Coupon.	
Issued January 1, 1896. Mature January 1, 1926.	
Interest, 3½ per cent. Payable January and July, .	150,000.00
Park Improvement Bonds. Gold—Coupon.	
Issued January 1, 1898. Mature January 1, 1926.	
Interest, 3½ per cent. Payable January and July, .	150,000.00

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Paving Bonds. Gold—Registered.	
Issued January 1, 1898. Mature January 1, 1938.	
Interest, 3½ per cent. Payable January and July, .	100,000.00
Paving Bonds. Gold—Registered.	
Issued January 1, 1900. Mature January 1, 1938.	
Interest, 3½ per cent. Payable January and July, .	100,000.00
Additional Paving Bonds. Gold—Registered.	
Issued January 1, 1900. Mature January 1, 1930.	
Interest, 3½ per cent. Payable January and July, .	20,000.00
High School and Bridge Bonds. Gold—Registered.	
Issued January 1, 1898. Mature January 1, 1938.	
Interest, 3½ per cent. Payable January and July, .	200,000.00
Connecticut River Bridge Bonds. Gold—Coupon.	
Issued August 1, 1904. Mature July 1, 1954.	
Interest, 3½ per cent. Payable January and July, .	1,000,000.00
Connecticut River Bridge Bonds. Gold—Coupon.	
Issued June 1, 1905. Mature June 1, 1955.	
Interest, 3½ per cent. Payable June and December, .	1,000,000.00
BONDED DEBT, . .	$5,830,000.00

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REPORTS

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REPORT

OF THE

CITY COLLECTOR

To October 1, 1905

In Accordance with Resolutions Passed
September 12 and 26, 1898

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CITY COLLECTOR'S ANNUAL REPORT

TO OCTOBER 1, 1905

In accordance with Resolutions passed September 12 and 26, 1898.

To the Honorable Court of Common Council of the City of Hartford:

Herewith I submit my report of the uncollected taxes due on all lists as per report of City Controller, to October 1, 1905.

Due Oct. 1st, 1905, on list of 1894,	$3 20	
Estimated legal additions to above,	1 92	$5 12
Due Oct. 1st, 1905, on list of 1895,	92 14	
Estimated legal additions to above,	49 76	141 90
Due Oct. 1st, 1905, on list of 1896,	205 10	
Estimated legal additions to above,	98 45	303 55
Due Oct. 1st, 1905, on list of 1897,	68 25	
Estimated legal additions to above,	28 67	96 92
Due Oct. 1st, 1905, on list of 1898,	239 61	
Estimated legal additions to above,	86 26	325 87
Due Oct. 1st, 1905, on list of 1899,	768 79	
Estimated legal additions to above,	230 64	999 43
Due Oct. 1st, 1905, on list of 1900,	3,516 94	
Estimated legal additions to above,	844 07	4,361 01
Due Oct. 1st, 1905, on list of 1901,	2,057 64	
Estimated legal additions to above,	370 38	2,428 02
Due Oct. 1st, 1905, on list of 1902,	16,161 98	
Estimated legal additions to above,	1,939 44	18,101 42
Due Oct. 1st, 1905, on list of 1903,	27,011 81	
Estimated legal additions to above,	1,620 71	28,632 52
Due Oct. 1st, 1905, on list of 1904,	101,594 80	
Estimated legal additions to above,	1,015 94	102,610 74
Military Com. on list of 1902,	12,646 00	
Military Com. on list of 1903,	13,292 00	
Military Com. on list of 1904,	13,594 00	39,532 00

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RECAPITULATION.

Uncollected on all lists to date,	$151,720 26	
Estimated legal additions on all lists to date,	6,286 24	
Military Com. on all lists to date,	39,532 00	197,538 50

Respectfully submitted,

OTIS J. HART, *Collector.*

Copy of the Certificate of the City Controller, October, 1905.

This certifies that I have examined the accounts of Otis J. Hart, Collector, and compared them with the Rate Books on the lists of 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, and 1904, and find the same to be correct.

CHAS. H. ROBINS, *City Controller.*

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ANNUAL REPORT

OF THE

CITY TREASURER

FOR THE

Fiscal Year Ended March 31, 1906

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REPORT.

CITY TREASURER'S OFFICE,

HARTFORD, April 4, 1906.

To the Honorable William F. Henney, Mayor of the City of Hartford:

SIR: — In compliance with Section 7, Chapter 6, of the Revised Ordinances, I have the honor to submit herewith a summary of the transactions of this office for the fiscal year ending March 31, 1906.

CHARLES H. SLOCUM,
City Treasurer.

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CHARLES H. SLOCUM, CITY TREASURER, *in account*

RECEIPTS.

1905		
April 1, Balance from old account, . .		$34,744.94
DEPARTMENTS.		
City Taxes, ...	$1,100,378.45	
Corporation Stock Taxes, ...	245,287.51	
National Bank Stock Taxes (Nonresidents),	3,037.50	
Street Railway Tax, ...	12,775.66	
County Commissioners, ...	69,477.30	
Water Commissioners, interest on Water Bonds, ...	27,120.00	
Street, ...	3,424.87	
Fire, ...	147.12	
Police, ...	4,409.81	
Charity, ...	1,731.98	
Health, ...	1,243.20	
State Appropriation for Schools, . .	42,340.50	
State Appropriation for Evening Schools, .	2,034.00	
Town Deposit Fund Income, . .	1,408.88	
School Visitors, ...	42.26	
Commission, collecting School Taxes, .	95.26	
Legal and Claims, ...	327.64	
Police Court, ...	8,682.85	
City Court, ...	697.50	
Probate Court, ...	308.33	
Public Buildings, ...	2,503.90	
Cemetery, ...	1,727.00	
Treasurer, ...	30.00	
Town Clerk, ...	3,320.00	
Registrars, ...	5.00	
Milk Inspector, ...	35.00	
Amusement Licenses, . . .	399.00	
Interest on Deposits, . . .	11,121.32	— $1,544,111.84
Forward, ...		$1,578,856.78

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with the CITY OF HARTFORD.

DISBURSEMENTS.

DEPARTMENTS.

Street,	$299,067.68
Fire,	145,603.86
Police,	132,822.39
Charity,	107,727.01
Health,	15,001.87
Park,	46,500.00
School,	106,399.38
High School,	79,799.57
School Visitors,	41,010.83
Legal and Claims,	9,162.93
Police Court,	7,731.66
City Court,	4,329.07
Probate Court,	498.52
Common Council,	5,616.15
Public Buildings,	15,799.35
Cemetery,	5.281.53
Public Bath,	3,427.97
Water,	18,710.00
Public Library,	12,000.00
Advertising,	4,381.47
Police Reserve Fund,	3,473.86
Firemen's Relief Fund,	3,473.87
Military Commutation Tax,	15,329.40
County Tax,	18,339.37
Liquor Prosecutions,	1,000.00
Mayor,	3,533.47
Collector,	10,187.35
Treasurer,	6,350.74
Controller,	3,600.00
City Clerk,	6,262.00
Assessors,	10,748.16
Registrars,	8,038.23
Forward,	$1,151,207.69

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CHARLES H. SLOCUM, CITY TREASURER, *in account*

RECEIPTS.

Forward,		$1,578,856.78
Sewers,	$20,500.16	
Street Improvements,	8,128.06	
Sidewalks,	6,061.27	
Street Sprinkling,	22,950.63	
Assessment Liens and Interest,	1,264.73	
Street Paving,	3,874.58—	62,779.43
Albany Avenue Improvements,		14,373.78
Connecticut River Bridge Bonds,		1,000,000.00
Premium on Connecticut River Bridge Bonds,		34,100.00
		$2,690,109.99

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with the CITY OF HARTFORD.

DISBURSEMENTS.

Forward,	$1,151,207.69	
Selectmen,	3,844.14	
Marshal,	550.00	
Building Inspector,	4,448.39	
Sealer,	1,710.30	
Connecticut River Bridge, Maintenance,	8,281.24	
East-side Flood Protection,	464.23	
Purchase of Connecticut River Frontage,	1,000.00	
Interest,	198,320.44	
Permanent Improvement Debt,	50,000.00	
School Districts, Corporation Taxes,	39,249.66—	$1,459,076.09
Sewers,	13,617.02	
Street Improvements,	319.49	
Sidewalks,	3,373.93	
Street Sprinkling,	25,149.56	42,460.00
Expense, Issuing Bonds,		1,432.22
Conn. River Bridge, Construction Acct.,		327,314.44
Conn. River Bridge, Construction Acct., Hartford's proportion of 79% of $500,000,		395,000.00
Albany Avenue Improvement,		23,434.63
Franklin Avenue Relief Sewer,		149.06
Intercepting Sewer, Southwest Extension,		1,956.56
		$2,250,823.00
1906		
March 31, Balance cash on hand:		
Current Expense Account,	128,933.65	
Reserved for Conn. River Bridge,	310,353.34	439,286.99
		$2,690,109.99

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CHARLES H. SLOCUM, CITY TREASURER, *in account*

TAX FUND—RECEIPTS.

1905	
April 1, Balance from old account,	$9,113.36
City of Hartford:	
Appropriation for 1905-6,	38,500.00
Extra Appropriation, Pope Park Parkway,	8,000.00
Interest on Deposit,	219.70
	$55,833.06

BOND FUND—RECEIPTS.

1905	
April 1, Balance from old account,	$10,477.42
Interest on Deposits,	272.22
	$10,749.64

ELIZABETH PARK FUND—RECEIPTS.

1905	
April 1, Balance from old account,	$8,721.26
Interest on Deposit,	150.39
	$8,871.65

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with the CITY OF HARTFORD, PARK DEPARTMENT.

TAX FUND—DISBURSEMENTS.

Current Expenses, as per orders drawn by Board of Park Commissioners,	$47,631.37
1906 March 31, Balance to new account,	8,201.69
	$55,833.06

BOND FUND—DISBURSEMENTS.

Current Expenses, as per orders drawn by Board of Park Commissioners,	$2,899.29
1906 March 31, Balance to new account,	7,850.35
	$10,749.64

ELIZABETH PARK FUND—DISBURSEMENTS.

Current Expenses as per orders drawn by Board of Park Commissioners,	$3,000.77
1906 March 31, Balance to new account,	5,870.88
	$8,871.65

INVENTORY ELIZABETH PARK FUND

APRIL 2, 1906.

25 shares Hartford Exchange Co. at $10,	$250.00
Cash on hand,	5,870.88
	$6,120.88

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CHARLES H. SLOCUM, CITY TREASURER, *in account*

RECEIPTS.

1905	
April 1, Balance from old account, ...	$21,148.05
City of Hartford, five per cent. of $69,477.30—amount received by the City from County Commissioners for liquor licenses granted for year ending March 31, 1906, ...	3,473.86
Interest on Deposits, ...	819.38
Income from Dr. G. W. Russell's Reward Fund, . .	40.40
Board of Police Commissioners, Balance of Reward for capture of United States Army Deserter, . .	30.34
	$25,512.03

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with the RESERVE FUND OF THE POLICE DEPARTMENT.

DISBURSEMENTS.

Orders drawn by President Board of Trustees:		
Cornelius Ryan,	$1,000.00	
James Brown,	500.00	
John Cotter,	500.00	
J. V. Dunlap,	500.00	
J. J. Golden,	500.00	
G. E. Strickland,	500.00	
W. F. Tobin,	500.00	
Wm. Noonan,	400.00—	$4,400.00
1906		
March 31, Balance to new account, deposited as follows:		
Society for Savings,	$5,213.40	
Mechanics Savings Bank,	4,140.24	
Dime Savings Bank,	3,366.82	
State Savings Bank,	3,324.42	
Farmington Savings Bank,	2,049.78	
Norwich Savings Society,	1,745.38	
Middletown Savings Bank,	878.30	
	$20,718.34	
Phoenix National Bank,	393.69—	$21,112.03
		$25,512.03

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CHARLES H. SLOCUM, CITY TREASURER, *in account*

RECEIPTS.

1905	
April 1, Balance from old account, ...	$100.00
Dividends on Bank Stocks, ...	2,658.89
	$2,758.89

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with the FIREMEN'S RELIEF FUND.

DISBURSEMENTS.

Orders drawn by President Board of Trustees:		
H. J. Eaton,	$1,250.00	
Edward Sommerman,	600.00	
W. B. Clark,	500.00	
F. C. Krug,	300.00	
J. S. Secor,	300.00	
S. J. Camp,	212.81	
Seymour Clark,	200.00	
D. F. Cooney,	200.00	
Niles Estlow,	183.33	
Francis Fitzpatrick,	200.00	
J. J. Given,	200.00	
E. J. Hale,	200.00	
G. B. Hale,	133.33	
A. A. Sommerman,	183.31	
J. W. Thorman,	200 00	
Jason Wilson,	200.00	
Henry Harris,	50.00—	$5,112.78
Expense,		5.10
Louis Krug, Secretary, for investment,		500.00
		$5,617.88
1906		
March 31, Balance to new account,		567.75
		$6,185.63

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CHARLES H. SLOCUM, CITY TREASURER, *in account*

RECEIPTS.

1905	
April 1, Balance from old account,	$1,039.94
Interest on Investments,	1,171.53
Donation of Mrs. Lucretia H. Canfield,	500.00
Donation of Miss Mary L. Howard, to be known as the Mary Cawley Fund,	500.00
Withdrawn from State Savings Bank,	3,074.16
Withdrawn from Society for Savings,	1,350.84
Withdrawn from Mechanics Savings Bank,	1,300 00
Withdrawn from Dime Savings Bank,	1,275.00
	$10,211.47

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with the LARRABEE FUND, *the* CITY OF HARTFORD, TRUSTEE.

DISBURSEMENTS.

Miss Ellen W. Gray, Treasurer Larrabee Fund Association, Income to March 31, 1906,	$1,171.53
Real estate mortgage loans,	7,500.00
Deposit Society for Savings, Samuel Tuttle Fund,	1,039.94
Deposit Society for Savings, Mary Cawley Fund,	500 00
	$10,211.47

INVENTORY LARRABEE FUND

APRIL 2, 1906.

Real estate mortgage loans,	$15,500.00
11 shares Hartford National Bank,	1,100.00
Society for Savings,	2,867.02
Dime Savings Bank,	50.00
Mechanics Savings Bank,	50.00
State Savings Bank,	50.00
Sarah Morgan Fund, 5 Chicago and Western Indiana Railroad Bonds,	5,000.00
Samuel Tuttle Fund, Society for Savings,	1,039.94
Mary Cawley Fund, Society for Savings,	500.00
	$26,156.96

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JOHN RUSS BURROWS LEGACY.

The income, amounting to forty and 40-100 dollars, has been paid to the Superintendent of Charities, according to the will of the testator.

Amount of legacy, one thousand dollars, deposited in the Society for Savings.

DR. GURDON W. RUSSELL'S REWARD FUND.

The income, amounting to forty and 40-100 dollars, has been paid to the Reserve Fund of the Police Department, under direction of the Board of Police Commissioners.

Amount of fund, one thousand dollars, deposited in the Society for Savings.

TOWN DEPOSIT FUND.

The income, amounting to fourteen hundred eight and 88-100 dollars, has been paid into the City Treasury, according to law.

Amount of fund, twenty-three thousand four hundred eighty-one and 43-100 dollars, invested in Town of Hartford note.

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APPROPRIATION REPORT FOR YEAR ENDING MARCH 31, 1906.

DEPARTMENTS.	APPROPRIATIONS.	EXPENDED.	UNEXPENDED.
Street,	$307,607.00	$299,067.68	$8,539.32
Fire,	149,050.00	145,603.86	3,446.14
Police,	134,476.50	132,822.39	1,654.11
Charity,	107,729.00	107,727.01	1.99
Health,	15,215.00	15,001.87	213.13
Park,	46,500.00	46,500.00	
Schools,	106,399.38	106,399.38	
High School,	79,800.00	79,799 57	.43
School Visitors,	41,100.00	41,010.83	89.17
Legal and Claims,	10,500.00	9,162.93	1,337.07
Police Court,	7,865.00	7,731.66	133.34
City Court,	4,395.23	4,329.07	66.16
Probate Court,	567.00	498.52	68.48
Common Council,	7,736.84	5,616.15	2,120.69
Public Buildings,	15,800.00	15,799.35	.65
Cemetery,	5,690.00	5,281.53	408.47
Public Bath,	4,060.00	3,427.97	632.03
Water,	18,710 00	18,710.00	
Public Library,	12,000.00	12,000.00	
Advertising,	5,000.00	4,381.47	618.53
Police Reserve Fund,	3,600.00	3,473.86	126.14
Firemen's Relief Fund,	3,600.00	3,473.87	126.13
Military Commutation Tax,	15,329.40	15,329.40	
County Tax,	18,339.37	18,339.37	
Liquor Prosecutions,	1,000.00	1,000.00	
Mayor,	3,800.00	3,533.47	266.53
Collector,	10,200 00	10,187.35	12.65
Treasurer,	6,400.00	6,350.74	49.26
Controller,	3,600.00	3,600.00	
City Clerk,	6,262.00	6,262.00	
Assessors,	10,800.00	10,748.16	51.84
Registrars,	8,388.00	8,038.23	349.77
Selectmen,	4,260.00	3,844.14	415.86
Marshal,	550.00	550.00	
Building Inspector,	4,450.00	4,448.39	1.61
Forward,	$1,180,779.72	$1,160,050.22	$20,729.50

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DEPARTMENTS.	APPROPRIATIONS.	EXPENDED.	UNEXPENDED.
Forward, . .	$1,180,779.72	$1,160,050.22	$20,729 50
Sealer, . . .	1,855.00	1,710.30	144.70
Conn. River Bridge Maintenance, . . .	15,000.00	8,281.24	6,718.76
East Side Flood Protection,	1,000.00	464.23	535.77
Purchase Conn. River Frontage, . . .	1,000.00	1,000.00	
Interest, . . .	198,493.00	198,320.44	172.56
Permanent improvement Debt, . . .	50,000.00	50,000.00	
	$1,448,127.72	$1,419,826 43	$28,301.29
Surplus receipts over all appropriations, . .	111,798.83		111,798.83
	$1,559,926.55	$1,419,826.43	140,100.12
Permanent Improvements (see below), . .		11,166.47	
Less amount expended for Permanent Improvements, . . .			11,166.47
	$1,559,926.55	$1,430,992.90	$128,933.65

PERMANENT IMPROVEMENTS.	APPROPRIATIONS.	EXPENDED.
Albany Avenue Improvements, . . .	$20,000.00	$9,060.85
Franklin Ave. Relief Sewer,		149.06
Intercepting Sewer, Southwest extension, . .		1,956.56
		$11,166.47

CONNECTICUT RIVER BRIDGE AND APPROACH ACCOUNT.

	APPROPRIATIONS.	EXPENDED.	UNEXPENDED.
Vote of City Meeting, April 7, 1902:			
For Stone Bridge, . .	$1,000,000.00	$1,000,000.00	
For Western Approach, .	709,000.00	350,000.00	$359,000.00
Hartford's proportion of 79% of $500,000.co, the original cost of new bridge or bridges, causeway and approaches as provided by an act of the General Assembly, approved June 28, 1895, .	395,000.00	395,000.00	
	$2,104,000.00	$1,745,000.00	$359 000.00

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CITY DEBT, APRIL 2, 1906.

Reservoir Construction Bonds. Gold Coupon. Issued August 1, 1893. Redeemable after July 1, 1908. Mature July 1, 1918. Interest, 4 per cent. Payable Jan. and July,	$200,000.00	
Consolidated Water Bonds. Gold Coupon. Issued October 2, 1893. Mature July 1, 1918. Interest, 4 per cent. Payable Jan. and July,	475,000.00	
Water Debt,		$675,000.00
Consolidated Town Bonds. Coupon. Issued July 1, 1889. Mature July 1, 1909. Interest, 3 per cent. Payable Jan. and July,	750,000.00	
Funding Bonds. Gold Coupon. Issued Oct. 2, 1893. Mature July 1, 1918. Interest, 4 per cent. Payable Jan. and July,	290,000.00	
Public Improvement Bonds. Gold Registered. Issued Jan. 1, 1897. Mature January 1, 1922. Interest, 3½ per cent. Payable Jan. and July,	250,000.00	
Refunding Capitol Bonds. Gold Registered. Issued Jan. 1, 1897. Mature January 1, 1922. Interest, 3½ per cent. Payable January and July,	800,000.00	
Refunding Town Bonds. Gold Registered. Issued May 1, 1897. Mature May 1, 1922. Interest, 3½ per cent. Payable May and November,	270,000 00	
Police Department Bonds. Gold Registered. Issued Jan. 1, 1898. Mature January 1, 1923. Interest, 3½ per cent. Payable January and July,	75,000.00	
Park Improvement Bonds. Gold Coupon. Issued January 1, 1896. Mature January 1, 1926. Interest, 3½ per cent. Payable January and July,	150,000.00	
Park Improvement Bonds. Gold Coupon. Issued January 1, 1898. Mature January 1, 1926. Interest, 3½ per cent. Payable January and July,	150,000.00	
Paving Bonds. Gold Registered. Issued January 1, 1898. Mature Jan. 1, 1938. Interest, 3½ per cent. Payable January and July,	100,000.00	
Forward,	$3,510,000.00	

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Forward, ...	$3,510,000.00	
Paving Bonds. Gold Registered. Issued January 1, 1900. Mature Jan. 1, 1938. Interest, 3½ per cent. Payable January and July, ...	100,000.00	
Additional Paving Bonds. Gold Registered. Issued January 1, 1900. Mature Jan. 1, 1930. Interest, 3½ per cent. Payable January and July, ...	20,000.00	
High School and Bridge Bonds. Gold Registered. Issued January 1, 1898. Mature January 1, 1938. Interest, 3½ per cent. Payable January and July, . . .	200,000.00	
Connecticut River Bridge Bonds. Gold Coupon. Issued August 1, 1904. Mature July 1, 1954. Interest, 3½ per cent. Payable January and July, . . .	1,000,000 00	
Connecticut River Bridge Bonds. Gold Coupon. Issued June 1, 1905. Mature June 1, 1955. Interest, 3½ per cent Payable June and December, . . .	1,000,000.00	
Bonded Debt, ...		$5,830,000.00
Town Note—Demand—"Town Deposit Fund," 6 per cent.		23,481.00
City Note—Due October 1, 1909—"Permanent Improvement Debt," 3½ per cent., ...		205.973.00
Total Debt, ...		$6,059,454.00
Less Sinking Fund, ...		938,106.00
		$5,121,348.00
Less Water Debt, ...		675,000.00
Net Debt, ...		$4,446,348 00

CITY DEBT, 1896 to 1906.

	GROSS DEBT.	WATER DEBT.	SINKING FUND.	NET DEBT.
1896	$3,659,081.00	$970,000.00	$437,891.00	$2,251,190 00
1897	3,674,181.00	970,000.00	309,851.00	2,394,330.00
1898	4,081,455.00	925,000.00	313,732.00	2,842,723.00
1899	4,242,211.00	925,000.00	380,326.00	2,936,885.00
1900	4,111,405 00	723,000.00	450,012.00	2,938,393.00
1901	4,056,162.00	675,000 00	516,003.00	2,865,159.00
1902	4,078,956.00	675,000.00	597,593.00	2,806,363.00
1903	4,069,492.00	675,000.00	666,416.00	2,728,076.00
1904	4,409,454.00	675,000.00	752,768.00	2,981,686.00
1905	5,109,454.00	675,000.00	839,580.00	3,594,874.00
1906	6,059,454.00	675,000.00	938,106.00	4,446,348.00

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STATE OF CONNECTICUT, }
COUNTY OF HARTFORD, } ss.

I, Charles H. Slocum, Treasurer of the City of Hartford, do solemnly swear that the foregoing reports are correct to the best of my knowledge and belief.

CHAS. H. SLOCUM, *City Treasurer.*

Subscribed and sworn to before me this second day of April, 1906.

F. M. BARROWS, *Notary Public.*

HARTFORD, April 2, 1906.

This is to certify that I have thoroughly examined the accounts of the City Treasurer, relating both to receipts and disbursements, and the vouchers for the same. I have also examined the securities and cash in the hands of the Treasurer, and have compared this report with the Treasurer's books, and find same correct to the best of my knowledge and belief.

CHAS. H. ROBINS, *Controller.*

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SINKING FUND

To April 1, 1906.

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CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, AGENT,
in account with HARTFORD CITY SINKING FUND.

INVESTMENTS ON HAND APRIL 1, 1906.

	Par.	Cost.
City of Hartford Note, Permanent Improvement, 3½ %, Oct. 1, 1909,	$205,973.13	$205,973.13
City of Hartford Funded Gold Bonds, 4 %, July 1, 1918,	46,000.00	46,889.77
City of Hartford Reservoir Cons. Bonds, 4 %, July 1, 1918,	119,000.00	125,092.86
City of Hartford Consolidated Water Bonds, 4 %, July 1, 1918,	29,000.00	32,902.31
City of Hartford Park Improvement Bonds, 3½ %, January 1, 1926,	93,000.00	99,268.05
City of Hartford Reg. Paving Bonds, 3½ %, Jan. 1, 1938,	30,000.00	33,713.33
City of Hartford Capitol Refunding Bonds, 3½ %, Jan. 1, 1922,	5,000.00	5,379.32
City of Hartford South School District Bonds, 3½ %, May 1, 1931,	2,000.00	2,079.83
Town of Hartford Consolidated Bonds, 3 %, July 1, 1909,	42,000.00	41,907.75
State of Connecticut Bonds, 3 %, Oct. 1, 1910,	1,000.00	996.17
City of Waterbury School Bonds, 3½ %, Jan. 1, 1907 and 1908,	20,000.00	20,472.50
City of Waterbury Water Bonds, 3½ %, Jan. 1, 1907 and 1908,	10,000.00	10,236.25
City of Waterbury Funding Bonds, 3½ %, July 1, 1907, 1908 and 1909,	30,000.00	31,204.94
Norwich City Sinking Fund Bonds, 5 %, April 1, 1907 and 1908,	24,000.00	26,175.70
Borough of Danbury Bonds, 4 %, July 1, 1906, 1908, 1909,	8,000.00	8,427.89
City of New Britain Water Fund Bonds, 4 %, Aug. 1, 1918,	3,000.00	3,192.33
City of New Britain Subway Bonds, 3½ %, Oct. 1, 1906 and 1907,	4,000.00	4,090 95
Town of New Britain School Bonds, 3½ %, May 1, 1906 to 1909 inclusive,	8,000.00	8,117.36
Town of New Britain Notes, 3¾ %, Aug. 15, 1907, 1908, and 1909,	12,500.00	12,500.00
City of Lawrence Water Loan Bonds, 6 %, April 1, 1906,	15,000.00	17,653.10
City of Lawrence New High School Bonds, 4 %, Oct. 1, 1907,	2,000.00	2,093.19

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CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, AGENT,
in account with HARTFORD CITY SINKING FUND.

INVESTMENTS ON HAND APRIL 1, 1906.

(Continued.)

	Par.	Cost.
City of Chicopee School Bonds, 3½%, June 1, 1909,	$6,000.00	$6,202.58
City of Worcester Funded Loan Bonds, 3½%, April 1, 1909,	20,000.00	20,839.83
City of Boston Reg. Loan Bonds, 4%, Jan. 1, 1907,	2,000.00	2,087.33
City of Quincy Improvement Bonds, 3½%, July 1, 1908 and 1909,	8,000.00	8,260.95
City of Quincy Public Water Supply Bonds, 3½%, April 1, 1906, to April 1, 1908, inclusive,	3,000.00	3,052.47
City of Quincy Public Water Supply Bonds, 4%, Aug. 1, 1908,	2,000.00	2,047.94
City of Holyoke Municipal Bonds, 4%, July 1, 1906,	10,000.00	10,669.17
City of Everett Notes, 4%, April 1, 1906 and 1908,	4,000.00	4,230.78
Town of Concord Water Loan Bonds, 4%, May 1, 1908,	4,000.00	4,344.66
City of Meriden Water Bonds, 4%, May 1, 1909,	15,000.00	15,410.00
County of Bristol, Mass., Note, 4%, Oct. 29, 1906,	20,000.00	20,466.58
City of Providence, R. I., Bonds, 4%, July 1, 1909,	5,000.00	5,180.58
City of Portsmouth, N. H., Bonds, 5%, Nov. 1, 1908 and 1909,	7,000.00	7,530.13
Town of Revere, Mass., Water Bonds, 3½%, April 1, 1908, to April 1, 1909, inclusive,	20,000.00	20,329.23
City of Gloucester, Mass., Water Loan 1901 Bonds, 3½%, Oct. 1, 1908,	3,000.00	3,053.00
City of Gloucester, Mass., Water Loan 1905 Bonds, 4%, April 1, 1906, to April 1, 1909, inclusive,	4,000.00	4,123.81
Town of Danbury, Conn., School Funding Bonds, 4%, March 1, 1908 to 1909, inclusive,	6,000.00	6,165.93

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CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, AGENT,
in account with HARTFORD CITY SINKING FUND.

INVESTMENTS ON HAND APRIL 1, 1906.

(Concluded).

	Par.	Cost.
City of Everett, Mass., Refunding Bonds, 4%, May 1, 1906, to May 1, 1909, inclusive,	$4,000.00	$4,103.42
Town of Belmont, Mass., Street Loan Bonds, 4%, Oct. 1, 1906, to Oct. 1, 1908, inclusive,	9,000.00	9,138.25
City of Ansonia, Conn., School Bonds, 4%, July 1, 1907 and 1908,	6,000.00	6,154.83
City of Lawrence, Mass., Ordinary City Debt Loan Bonds, 4%, Dec. 1, 1908.	10.000.00	10,171.11
	$877,473.13	$911,929.31

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CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, AGENT,
in account with HARTFORD CITY SINKING FUND.

SCHEDULE "A," DR.

1905.			
April 1.	Cash on hand,		$2,107.26
	Received interest $4,000 City of Everett Notes,		80.00
	Received interest $20,000 Worcester Reg. Ctf.,		350.00
	Received interest $3,000 Lawrence High School Bonds,		60.00
	Received interest $15,000 Lawrence Water Bonds,		450.00
	Received interest $1,000 City of Chelsea Bonds,		20.00
	Received interest $4,000 City of Quincy Bonds,		70.00
	Received interest $6,000 City of New Britain Bonds,		105 00
	Received interest $16,000 Norwich City Sinking Fund Bonds,		400.00
	Received interest $1,000 State of Connecticut Bonds,		15.00
	Received payment City of Quincy Bond,		1,000.00
April 4.	Received from R. N. Fitz Gerald, Collector, on list of 1895,	$1.00	
	Received from R. N. Fitz Gerald, Collector, on list of 1896,	6.20	
	Received from R. N. Fitz Gerald, Collector, on list of 1897,	7.63	
	Received from R. N. Fitz Gerald, Collector, on list of 1898,	43.43	
	Received from R. N. Fitz Gerald, Collector, on list of 1899,	158.54	
	Received from R. N. Fitz Gerald, Collector, on list of 1900,	365.39	
	Received from R. N. Fitz Gerald, Collector, on list of 1901,	541.76	
	Received from R. N. Fitz Gerald, Collector, on list of 1902,	702.52	
	Received from R. N. Fitz Gerald, Collector, on list of 1903,	2,709.13	
			4,535.65
April 29.	Received interest $20,000 County of Bristol Note,		400.00
May 1.	Received interest $2,000 South School District, Hartford, Bonds,		35.00

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CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, AGENT,
in account with HARTFORD CITY SINKING FUND.

1905.	SCHEDULE "A," DR.—Continued.	
May 1.	Received interest $4,000 Town of Concord, Mass., Bonds,	$80.00
	Received interest $15,000 City of Meriden Bonds,	300.00
	Received interest $5,000 High School of the Town of Meriden Bonds,	100.00
	Received interest $7,000 City of Portsmouth, N. H., Bonds,	175.00
	Received interest $2,000 Town of New Britain School Bonds (3 months),	17.50
	Received payment Town of New Britain School Bonds,	2,000 00
	Received payment High School of the Town of Meriden Bonds,	5,000.00
June 1.	Received interest $6,000 City of Chicopee Bonds,	105.00
July 1.	Received interest $8,000 City of Quincy Bonds,	140.00
	Received interest $119,000 Reservoir Construction Bonds.	2,380.00
	Received interest $29,000 Consolidated Water Bonds,	580.00
	Received interest $46,000 City of Hartford Funding Bonds,	920.00
	Received interest $69,000 City of Hartford Park Improvement Bonds,	1,207.50
	Received interest $34,000 Town of Hartford Consolidated Bonds,	510.00
	Received interest $5,000 City of Waterbury Water Bonds,	175.00
	Received interest $10,000 City of Holyoke Bonds,	200.00
	Received interest $10,000 City of Waterbury School Bonds,	350.00
	Received interest $8,000 Borough of Danbury Bonds,	160.00
	Received interest $30,000 Waterbury Funding Bonds,	525.00
	Received interest on deposit in Connecticut Trust and Safe Deposit Co.,	122.20
	Received interest $2,000 City of Boston Reg. Bonds,	40.00

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CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, AGENT,
in account with HARTFORD CITY SINKING FUND.

1905.	SCHEDULE "A," DR.—Continued.	
July 1.	Received interest $5,000 City of Providence Reg. Bonds,	$100.00
	Received interest $30,000 City of Hartford Paving Bonds,	525.00
	Received interest $5,000 City of Hartford Capitol Bonds,	87 50
	Received interest $255,973.13 City of Hartford Permanent Improvement Fund Note, 6 mos. to July 13, 1905, @ 3½ %,	4,479.53
July 11.	Received from R. N. Fitz Gerald, Collector, on list of 1904,	50,000.00
Aug. 1.	Received interest $3,000 City of New Britain Water Fund Bonds,	60.00
	Received interest $2,000 City of Quincy, Mass., Bonds,	40.00
	Received interest $8,000 Town of New Britain School Bonds,	140.00
Aug. 16.	Received interest $12,500 Town of New Britain Notes to Aug. 15, 1905,	194.00
Oct. 2,	Received interest $15,000 City of Lawrence, Mass., Water Bonds,	450.00
	Received interest $1,000 State of Connecticut Bond,	15.00
	Received interest $6,000 City of New Britain Subway Bonds,	105.00
	Received interest $1,000 City of Chelsea, Mass., Bond,	20.00
	Received interest $20,000 Town of Revere, Mass , Water Bonds,	350.00
	Received interest $3,000 City of Lawrence, Mass., High School Bonds,	60.00
	Received interest $3,000 City of Quincy Bonds,	52.50
	Received interest $4,000 City of Gloucester Bonds (Water Loan 1905),	80.00
	Received interest $3,000 City of Gloucester Bonds (Water Loan 1901),	52.50
	Received interest $19,000 Norwich City Sinking Fund Bonds,	475.00
	Received payment $2,000 City of New Britain Subway Bonds No. 1 and No. 2,	2,000.00

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CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, AGENT,
in account with HARTFORD CITY SINKING FUND.

1905.	SCHEDULE "A," DR.— Continued.			
Oct. 2.	Received payment $1,000 City of Lawrence, Mass., High School Bond, No. 25,			$1,000.00
	Received payment $1,000 City of Chelsea, Mass., Bond, No. 105,			1,000.00
	Received interest $20,000 City of Worcester Registered Certificates,			350.00
Oct 3,	Received interest $4,000 City of Everett Notes,			80.00
	Received from Otis J. Hart, Collector, September collections,		$527.35	
Oct. 21,	Received from Otis J. Hart, Collector, on list of 1897,		.38	
	Received from Otis J. Hart, Collector, on list of 1898,		15.65	
	Received from Otis J. Hart, Collector, on list of 1899,		39.02	
	Received from Otis J. Hart, Collector, on list of 1900,		183.47	
	Received from Otis J. Hart, Collector, on list of 1901,		334.14	
	Received from Otis J. Hart, Collector, on list of 1902,		514.63	
	Received from Otis J. Hart, Collector, on list of 1903,		1,361.42	
	Received from Otis J. Hart, Collector, on list of 1904,	$57,285.02		
	Less amount paid July 11, 1905,	50,000.00	7,285.02	9,733.73
Oct. 30,	Received interest $20,000 County of Bristol, Mass., Note,			400.00
Nov. 1,	Received from Otis J. Hart, Collector, October collections,			535.10
	Received interest $2,000 South School District, Hartford, Bonds,			35.00
	Received interest $4,000 Town of Concord, Mass., Bonds,			80.00
	Received interest $15,000 City of Meriden Bonds,			300.00
	Received interest $7,000 City of Portsmouth, N. H., Bonds,			175.00
	Received interest $4,000 City of Everett, Mass., Refunding Bonds,			80.00

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CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, AGENT,
in account with HARTFORD CITY SINKING FUND.

1905.	SCHEDULE "A," DR.— Continued.	
Nov. 1.	Received interest $6,000 Town of Danbury, School Refunding Bonds,	$120.00
	Received interest $6,000 City of Chicopee Bonds,	105.00
	Received from Otis J. Hart, Collector, November collections,	342.51
Nov. 30, 1906.	Received interest on deposit in Connecticut Trust and Safe Deposit Co.,	262.55
Jan. 2,	Received interest $2,000 City of Boston Bond,	40.00
	Received interest $5,000 City of Providence Bond,	100.00
	Received interest $5,000 City of Hartford Capitol Bonds,	87.50
	Received interest $30,000 City of Hartford Paving Bonds,	525.00
	Received interest $30,000 City of Waterbury Funding Bonds,	525.00
	Received interest $10,000 City of Waterbury Water Bonds,	175.00
	Received interest $20,000 City of Waterbury School Bonds,	350.00
	Received interest $6,000 Ansonia School Bonds,	120.00
	Received interest $93,000 Hartford Park Improvement Bonds,	1,627.50
	Received interest $8,000 City of Quincy Bonds,	140.00
	Received interest $119,000 Reservoir Construction Bonds,	2,380.00
	Received interest $29,000 Consolidated Water Bonds,	580.00
	Received interest $46,000 City of Hartford Funding Gold Bonds,	920.00
	Received interest $42,000 Consolidated Town Bonds,	630.00
	Received interest $8,000 Borough of Danbury Bonds,	160.00
	Received interest $10,000 City of Holyoke Bonds,	200.00
	Received from Otis J. Hart, Collector, December collections,	938.46
Jan. 13,	Received interest on $255,973.13, Note of City of Hartford, "Permanent Improvement Fund," 6 mos. to January 13, 1906, @ 3½%,	4,479.53
Feb. 1,	Received from Otis J. Hart, Collector, January collections,	971.63

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CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, AGENT,
in account with HARTFORD CITY SINKING FUND.

1906.	SCHEDULE "A," DR. — Concluded.	
Feb. 1.	Received interest $8,000 Town of New Britain Bonds,	$140.00
	Received interest $3,000 City of New Britain Water Fund Bonds,	60.00
	Received interest $2,000 City of Quincy, Mass., Bonds,	40.00
Feb. 23,	Received interest $12,500 Town of New Britain Notes,	234.38
Mar. 2,	Received from Otis J. Hart, Collector, February collections,	464.67
Mar. 13,	Received on account, City of Hartford Note, "Permanent Improvement Fund," ($255,973.13),	50,000.00
		$165,016.05

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CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, AGENT,
in account with HARTFORD CITY SINKING FUND.

1905.	SCHEDULE "B," CR.	
July 13,	Paid for $24,000 City of Hartford Park Improvement Bonds @ 103⅜ and interest,	$24,838.00
Aug. 30,	Paid for $8,000 Town of Revere, Mass, Water Bonds (3½%, due April 1, 1909) @ 100.18 =$8,014 40, and interest, $115.89,	8,130.29
Sept. 1,	Paid for $4,000 City of Gloucester, Mass, Water Bonds,	4,123.81
Sept. 2,	Paid for $3,000 City of Norwich, Conn., Sinking Fund Bonds,	3,134.58
	Paid for $12,000 Town of Revere, Mass., Water Loan Bonds,	12,198.94
	Paid for $6,000 Town of Danbury, Conn., School Funding Bonds,	6,165.93
Sept. 7,	Paid for $3,000 City of Gloucester, Mass., Water Bonds (Loan of 1901),	3,053.00
Sept. 11,	Paid for $4,000 City of Everett, Mass., Refunding 4% Bonds,	4,103.42
Oct. 9,	Paid for $5,000 City of Norwich, Conn., Sinking Fund Bonds,	5,165.56
Nov. 7,	Paid for $3,000 Town of Belmont, 4%, Street Loan Bonds, due Oct. 1906,	3,023.59
	Paid for $3,000 Town of Belmont Street Loan Bonds, due Oct. 1907,	3,049.83
	Paid for $3,000 Town of Belmont Street Loan Bonds, due Oct. 1908,	3,064.83
Nov. 11,	Paid for $3,000 City of Ansonia School Bonds, due July 1, 1907,	3,069.91
	Paid for $3,000 City of Ansonia School Bonds, due July 1, 1908,	3,084.92
Dec. 8,	Paid for $8,000 Town of Hartford Consolidated Bonds,	8,005.33
Dec. 19,	Paid for $10,000 City of Lawrence, Mass., Ordinary City Debt Loan Bonds,	10,171.11
		$104,383.05

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CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, AGENT,
in account with HARTFORD CITY SINKING FUND.

SUMMARY FROM APRIL 1, 1905, TO APRIL 1, 1906.

Receipts.

Cash on hand, April 1, 1905,	$2,107.26	
Received income from investments (Schedule "A"),	32,859.69	
Received from Collector (Schedule "A"),	68,049.10	
Received from payment of Bonds (Schedule "A"),	62,000.00	$165,016.05

Disbursements.

Paid for Bonds, etc., for investment, par value of $102,000 (Schedule "B"),	$104,383.05	
Cash on hand, April 1, 1906,	60,633.00	$165,016.05

CONN. TRUST AND SAFE DEPOSIT COMPANY, *Agent*,
By ARTHUR P. DAY, *Secretary*.

HARTFORD, CONN., April 1, 1906.

HARTFORD, CONN., April 1, 1906.

I hereby certify that I have examined the above statement, and have counted the bonds, etc., and find the statement correct and the bonds, etc., as stated.

CHAS. H. ROBINS, *City Controller*.

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REPORT

OF THE

CITY CONTROLLER

FOR THE

Year Ending March 31, 1906.

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HARTFORD, CONN., April 2, 1906.

HONORABLE WILLIAM F. HENNEY,

Mayor of the City of Hartford.

SIR :—In compliance with the law, the undersigned herewith presents his annual report of the transactions in his office for the fiscal year ending March 31, 1906, together with an inventory of the real and personal property owned by the City of Hartford.

The following accounts have been audited: The City Treasurer, City Collector, the Board of Street Commissioners, the Board of Park Commissioners, the Clerk of the Police Court, the Clerk of the City Court, the City Sinking Fund, the Amusement Committee, the Cemetery Committee, and, in conjunction with the Auditing Committee, the accounts of the Board of Water Commissioners.

Respectfully submitted,

CHAS. H. ROBINS,

Controller.

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RECEIPTS.

Duplicate receipts for the following amounts, received by the City Treasurer, are on file in the Controller's office.

City Taxes,	$1,100,378.45
Street Railway Tax,	12,775.66
County Commissioners,	69,477.30
Street Department,	3,424.87
Fire Department,	147.12
Police Department,	4,409.81
Charity Department,	1,731.98
Health Department,	1,243.20
State Appropriation for Schools,	42,340.50
State Appropriation for Evening Schools,	2,034.00
Town Deposit Income,	1,408.88
School Visitors,	42.26
Commission Collecting School Taxes,	95.26
Legal and Claims,	327.64
Police Court,	8,682.85
City Court,	697.50
Probate Court,	308.33
Public Buildings,	2,503.90
Cemeteries,	1,727.00
Treasurer,	30.00
Town Clerk,	3,320 00
Registrars,	5.00
Milk Inspector,	35.00
Amusement License,	399.00
Sewers,	20,500.16
Street Improvements,	8,128.06
Sidewalks,	6,061.27
Street Sprinkling,	22,950.63
Assessment Liens and Interest,	1,264.73
Street Paving,	3,874.58
Albany Avenue Improvements,	14,373.78
	$1,334,698.72

DISBURSEMENTS.

Police Department.

	Amended appropriation.	Expended.
Salaries,	$122,011.00	$120,845.13
Telegraph Equipment,	300.00	255.71
Station House Repairs,	700.00	735.45

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	Amended appropriation.	Expended.
Station House Supplies,	$4,750.00	$4,593.09
Office Expenses,	850.00	823.94
Ambulance and Surgeons,	1,050.00	964.91
Care of Prisoners,	300.00	288.47
Patrol Service,	600.00	475.19
Insurance,	900.00	825.00
Clerk of Board,	250.00	250.00
Special Pay Roll, *	2,765.50	2,765.50
Unexpended Balance,		1,654.11
	$134,476.50	$134,476.50

HEALTH DEPARTMENT.

Salaries,	$9,500.00	$9,500.00
Return Fees,	1,025.00	1,025.00
Office Rent,	1,200.00	1,200.00
Printing, Postage, and Stationery,	633.33	629.29
Laboratory,	623.86	621.14
Incidentals,	1,166.67	970.32
Disinfectants,	120.00	111.35
Vaccinations,	180 00	178.98
Burial of Dead Animals,	5.00	5.00
Telephone,	130.00	129.65
Mosquitoes,	131.14	131.14
Inspection of Milk:		
Salary of Inspector, 3 months,	375.00	375.00
Salary of Bacteriologist, 3 months,	125.00	125.00
Unexpended Balance,		213.13
	$15,215.00	$15,215.00

CHARITY DEPARTMENT.

Almshouse,	$50,220.96	$50,218.97
Out Door Poor,	6,278.49	6,278.49
Office Expense,	4,743.32	4,743.32
Hospitals and Asylums,	43,493.08	43,493 08
Miscellaneous,	2,993.15	2,993.15
Unexpended Balance,		1.99
	$107,729.00	$107,729.00

* The above amount was received by the City Treasurer for special work done by Supernumeraries, as per ordinance.

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Detail of Disbursements.

	Amended appropriation.	Expended.
Hartford Hospital,		$10,013.56
St. Francis Hospital,		2,187.94
Burials from Hospitals,		115.50
Connecticut Hospital, Middletown,		24,909.02
Retreat for Insane, Hartford,		862.29
School for Imbeciles, Lakeville,		2,910.44
Home for Incurables, Newington,		248.90
Hartford Orphan Asylum,		308.50
St. Peter's Church Corporation,		825.00
St. Joseph's Church Corporation,		351.43
St. Patrick's Church Corporation,		624.00
St. Augustine's Church Corporation,		78.00
Convent of the Good Shepherd,		18.50
		$43,493.08

Miscellaneous.

Probate Fees,	$ 330.05
Transportation of Sick,	66.00
Transportation of Insane,	80.71
Examination of Insane,	84.00
Acting City Physician,	82.39
Salary of Investigator,	1,350.00
Salary of Physician,	1,000.00
	$2,993.15

Almshouse.

Remodeling Ward,	$ 545.46
Mason Work, Repairs and Alterations,	358.48
New Stairway,	387.60
Metal Ceilings,	154.00
Awnings,	271.85
Repairs on Roofs,	131.75
Doors, Sash and Windows,	42.00
New Surrey and Doctor's Carriage,	385.00
Electric Wiring and Fixtures,	718.69
Plumbing and Steam Fitting Supplies,	1,254.81
Lumber,	635.44
Paints, Oils, Brushes, and Supplies,	565.30
Hardware, Tools and Supplies,	288.69
Lime, Cement, Mops, Pails, and Brooms,	86.30
Sheet Iron, Tin and Metal Supplies,	52.76

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	Amended appropriation.	Expended.
Furniture Supplies and Repairs,		$ 1,401.82
Blankets and Pillows,		297.48
Crockery and Table Ware,		161.48
Tinware and Stove Supplies,		140.68
Washing Materials, Soap and Tallow,		576.48
Medicines and Medical Supplies,		2,759.95
Rubber Goods,		291.75
Disinfectants,		89 95
Burial Expenses,		465.00
Coal,		5,150.67
Insurance Account,		538.36
Meat and Fish,		6,290.60
Provisions, Food Supplies,		6,087.52
Bread,		2,451.36
Milk,		',975.35
Tobacco, Snuff, and Pipes,		511.94
Men's Clothing, Hats, and Supplies,		871.60
Drygoods, Women's Clothing, and Notions,		2,109.14
Shoes, Slippers, and Supplies,		513.35
Water Supply,		835.46
Taxes,		19.55
Telephone Rent,		71.35
Electric Lighting,		1,112 24
Feed for Stock,		381.98
Straw for Bedding,		54.74
Blacksmith Work and Horseshoeing,		243 70
Repairs on Teams,		111.00
Harness Supplies and Repairs,		100.60
Garden Seed, Plants and Shrubs,		93.12
Printing and Stationery,		169.19
Newspapers,		23.75
Spectacles,		18.80
Sundries Account,		199.28
Salary of Steward,		600.00
Salary of Supervisor,		600.00
Salary of Engineer,		780.00
Salary of Night Engineer and Watchman,		600.00
Salary of Inmates' Cook,		360.00
Salary of Matron,		355.00
Salary of Barn Man,		300.00
Salary of Officers' Cook,		357.00
Salary of Laundress,		207.00
Salary of Pharmacist and Hospital Steward,		750.00
Salary of Infirmary Cook,		270.00
Salary of Head Nurse,		540.38

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	Amended appropriation.	Expended.
Salary of Nurses,		$ 1,911.22
Salary of Maids,		591.00
		$50,218.97

Outdoor Poor.

Rent of Tenements,	$2,694.00
Aid of Aged and Infirm,	706.81
Moving and Storage,	64 05
Medicines and Medical Supplies,	441.80
Burial Expenses,	300.00
Coal,	152.00
Shoes,	29.90
Paid Other Towns,	46.00
Transportation,	429.05
Sundries, Petty Cash Account,	60.19
Provisions, Store Room,	710.08
Rent Store Room and Dispensary,	508.00
Cleaning Store Room and Dispensary,	90.00
Insurance Store Room and Dispensary,	6.25
Furniture Store Room and Dispensary,	25.28
Paper, Twine, Bags, Store Room and Dispensary,	15.08
	$6,278.49

Office Expenses.

Rent of Office,	$ 483 00
Stationery,	9 15
Typewriting and Supplies,	25 25
Rent of Telephone,	84.75
Newspapers,	22.65
Printing, Books and Blanks,	268.60
Furniture Account,	12 00
Electric Lighting,	37.67
Cleaning Office,	90 00
Insurance Account,	14 10
Sundries, Petty Cash Account,	46 15
Salary of Superintendent,	2,000 00
Salary of Clerk,	1,650.00
	$4,743.32

FIRE DEPARTMENT.

Pay Roll,	$101,918.15	$101,918.15
Coal and Wood for Engines,	2,693.58	2,693.58
Real Estate and Repairs,	5,730.90	4,597.45

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	Amended appropriation.	Expended.
Gas and Electric Light,	$2,057.31	$2,057.31
Washing,	767.41	767.41
New Horses,	1,800.00	1,800.00
Horseshoeing,	1,912.06	1,912.06
Extra Horse Hire,	1,000.00	125.00
Forage,	6,438 37	6,438.37
Harness and Repairs,	638.15	638.15
Veterinary,	442.99	442.99
Hose and Repairs,	5,665.68	5,465.68
Coal for General Use,	3,175.01	3,175.01
Fire Alarm,	1,017.20	1,017.20
Telephones,	943.79	943.79
Uniforms,	84.20	84.20
Printing and Stationery,	467.54	467.54
Wagons, Trucks, etc.,	4,419.19	3,182.82
General Supplies,	1,881.60	1,881.60
Incidentals,	406.02	406.02
Conduit Account,	1,000.00	998.68
Furniture and Bedding,	417.75	417.75
Water and Ice,	740.60	740.60
Rent of Commissioners' Office,	450.00	450.00
Insurance,	2,982.50	2,982.50
Unexpended Balance,		3,446.14
	$149,050.00	$149,050.00

COMMON COUNCIL.

Clerk,	$ 400.00	$ 400.00
Two Messengers,	200.00	200.00
Committee on Abatement of Taxes,	300.00	300.00
Band Concerts and Celebrations,	1,221.00	1,221.00
Blocks and Gavels,	105.00	55.00
Manuals,	100.00	80.39
Directories,	504.00	174.00
Journals,	2,200.00	1,422.69
Municipal Register,	1,100.00	200.65
Committee and Incidentals,	1,175.20	1,130.78
Port Warden,	25.00	25.00
Municipal Register (1901),	406.64	406.64
River Frontage, South Meadows,	1,000.00	1,000.00
Unexpended Balance,		2,120.69
	$8,736.84	$8,736.84

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Public Baths.

	Amended appropriation.	Expended.
Salaries,	$ 800.00	$ 792.95
Repairs, Painting, and Storage,	784.92	784.92
Towing Charges,	225.00	225.00
New Approach,	245.00	190.62
Insurance,	180.00	180.00
Towels and Soap,	812 54	812 54
Expenses,	12.54	12 54
Winter Storage,	1,000.00	429.60
Unexpended Balance,		632.03
	$4,060.00	$4,060.00

Schools.

In General.

State Appropriation,	$42,340.50	$42,340.50
Town Deposit Fund, income,	1,408.88	1,408.88
One Mill Tax,	62,650.00	62,650.00

High School.

Salaries and Wages,	$62,454.33	$62,454.33
Library and Printing,	1,966.97	1,966.97
Light, Fuel, and Water,	5,968.48	5,968.48
Repairs,	1,423.53	1,423.53
Manual Training,	439.61	439.61
Evening High School,	3,832.55	3,832.12
Science Department, etc.,	714.53	714.53
Fire Insurance,	3,000.00	3,000.00
Unexpended Balance,		.43

Board of School Visitors.

Evening Schools,	$12,013.01	$12,012.85
Vacation Schools,	3,000.00	3,000.00
Salary of Superintendent,	1,500.00	1,500.00
Salary of School Attendance Officer,	1,100.00	1,100.00
Expense of School Attendance Officer,	250 00	250.00
Printing,	525.00	522.00
General Expense,	550.00	545.18
Office Rent,	400.00	400 00
Free Text-Books, District Schools,	6,500.00	6,471.61
Free Text-Books, High School,	1,877.72	1,877.72
Free Text-Books, Evening High School,	97.71	97.71
Covers for Free Text-Books,	300.00	297.26

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Manual Training Department.

	Amended appropriation.	Expended.
Salaries,	$10,086.56	$10,086 56
Repairs,	650.00	647.96
Materials and Equipment,	2,250.00	2,201.98
Unexpended Balance,		89.17

Summary of Schools.

In General,	$106,399.38	$106,399.38
High School,	79,800.00	79,799.57
High School, Unexpended,		.43
School Visitors,	41,100 00	41,010.83
School Visitors, Unexpended,		89.17
	$227,299.38	$227,299.38

PUBLIC BUILDINGS.

Salaries of Janitors,	$1,800.00	$1,800.00
Coal, Repairs, etc.,	5,066.90	5,066.25
Changes in Town Clerk's Office,	8,933.10	8,933.10
Unexpended Balance,		.65
	$15,800.00	$15,800.00

Summary of Disbursements.

	City Hall.	Halls of Record.
Janitor's Salary,	$960.00	$840.00
Coal, Repairs, etc.:		
Supplies,	126.99	87.72
Repairs, Plumbing, etc.,	623.25	480.41
Ice,	32.90	84.30
Water Taxes,	111.84	59.76
Gas and Electric Light,	657.81	284.73
Decorations,	76.00	
Carting Snow,	18.35	
Coal and Wood,	840.00	372.00
Care of Clock and Regulating,	75.00	
Awnings, Carpets, Cleaning, etc.,	41.85	
Street Sprinkling Assessment,	10.71	7.97
Care of Walks, Lawns, etc.,	395.50	20.50
Insurance on Boiler,		45.00
Rent of Town Clerk's Office,		449.99
Expense of Moving Town Clerk's Office,		163.67
Changes in Town Clerk's Office:		
Steel Cases, Electrical Work, etc.,		8,933.10
	$3,970.20	$11,829.15

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Police Court.

	Amended appropriation.	Expended.
Salaries,	$6,865.00	$6,779 00
Incidentals and General Expense,	1,000.00	952.66
Unexpended Balance,		133.34
	$7,865.00	$7,865.00

Probate Court.

Card Indexing,	$179.50	$115.50
Expense,	387.50	383.02
Unexpended Balance,		68.48
	$567.00	$567.00

City Court.

Salary of Judge,	$2,214.68	$2,214 68
Salary of Clerk,	780 55	780 55
Salary of Marshal,	415.00	409.50
Salary of Messenger,	395.00	387.50
Stenographer,	110.00	94.25
Jury Fees,	127.28	127.28
Incidentals,	352.72	315.31
Liquor Prosecutions,	1,000.00	1,000.00
Unexpended Balance,		66.16
	$5,395.23	$5,395.23

Legal and Claims.

Salary of Corporation Counsel,	$5,000.00	$5,000.00
Counsel, Assistant Counsel Fees,	1,500.00	797.72
Claims,	2,500.00	2,237.14
Expense,	1,500.00	1,128.07
Unexpended Balance,		1,337 07
	$10,500.00	$10,500.00

Mayor.

Salary,	$3,000.00	$3,000.00
Stenographer,	416.00	416.00
Expense,	384.00	117.47
Unexpended Balance,		266.53
	$3,800.00	$3,800.00

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COLLECTOR.

	Amended appropriation.	Expended
Salary,	$3,370.00	$3,370.00
Clerk Hire,	4,560.70	4,560.70
Expense,	2,269.30	2,256 65
Unexpended Balance,		12 65
	$10,200.00	$10,200.00

TREASURER.

Salary,	$3,600.00	$3,600.00
Clerk Hire,	1,800.00	1,800.00
Bonds for Officials,	600.00	552.00
Expense,	400.00	398.74
Unexpended Balance,		49.26
	$6,400.00	$6,400.00

ASSESSORS.

Salaries,	$6,600 00	$6,600.00
Salary Board of Relief,	1,600.00	1,600.00
Clerk Hire,	1,000.00	1,000.00
Expense,	700.00	648.16
Maps,	500.00	500.00
Rate Maker,	400.00	400.00
Unexpended Balance,		51.84
	$10,800.00	$10,800.00

MARSHAL.

Salary,	$500.00	$500.00
Office Expense,	50.00	50.00
	$550.00	$550.00

CONTROLLER.

Salary,	$2,100.00	$2,100.00
Clerk Hire,	1,000.00	1,000.00
Office Expense,	500.00	500.00
	$3,600.00	$3,600.00

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Town Clerk.

	Amended appropriation.	Expended
Salary,	$2,000.00	$2,000.00
Salary of Assistant,	1,500.00	1,500 00
Clerk Hire,	600.00	600.00
Messenger,	60.00	60.00
Office Expense,	1,902.00	1,902.00
Land Records,	200.00	200 00
	$6,262.00	$6,262.00

Building Inspector.

Salary,	$2,500 00	$2,500.00
Salary of Assistant,	1,000.00	1,000.00
Clerk Hire,	400.00	400.00
Expense,	250.00	248.39
Horse Hire,	300.00	300.00
Unexpended Balance,		1.61
	$4,450.00	$4,450 00

Sealer of Weights and Measures.

Salary,	$1,000.00	$1,000 00
Clerk Hire,	500.00	500.00
Expense,	355.00	210.30
Unexpended Balance,		144 70
	$1,855.00	$1,855.00

Registrars.

Salaries,	$4,800.00	$4,800.00
Clerk,	400 00	388.10
Printing,	1,400.00	1,376.55
Advertising,	120.00	
Election Expense,	1,395.00	1,250.00
Incidentals,	273.00	223.58
Unexpended Balance,		349.77
	$8,388.00	$8,388.00

Selectmen.

Board of Registration,	$ 180.00	$ 120.00
Meetings, etc.,	690.00	462.50
Printing and Advertising,	190.00	115.95
Rental of Booths,	2,400.00	2,400.00
Insurance,	100.00	93.75
Incidentals,	700.00	651.94
Unexpended Balance,		415.86
	$4,260.00	$4,260.00

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CEMETERIES.

	Amended appropriation.	Expended.
Salaries of Superintendents,	$2,190 00	$2,190.00
Wages of Helpers,	1,500.00	1,424.25
Filling in Old North,	250 00	
General Expense,	500.00	476.43
Making Road, Zion Hill,	1,000.00	995.35
Old South,	250.00	195.50
Unexpended Balance,		408.47
	$5,690.00	$5,690.00

ADVERTISING.

General City Advertising,	$5,000.00	$4,381.47
Unexpended Balance,		618.53
	$5,000.00	$5,000.00

STREET DEPARTMENT.

Grading and Turnpiking,	$27,836.53	$27,836.53
Road Building and Repairs,	65,813.11	65,813.11
Bridge, Culverts, and Inlets,	9,531.30	9,531.30
Street Cleaning and Snow,	48,899.51	48,899.51
Crosswalks, Curbs, and Sidewalks,	2,950.50	2,950.50
Ashes and Garbage,	37,033.00	36,508.50
Engineering,	13,000.00	10,479.73
Office Expenses,	3,200.00	3,017.54
Merestones,	1,371.60	994.89
Maintaining Improved Streets,	7,000.00	6,286.48
Salaries,	10,400.00	10,400.00
Salaries of District Foremen,	3,600.00	3,538.62
Storehouse, Shop and Yard,	3,500.00	2,764.52
Sewer Repairs and Interceptor,	5,394.34	5,394.34
Payment on Dumping Ground,	2,225.00	2,209.25
Incidentals,	2,460.00	1,964.40
Franklin Avenue Relief Outlet,	1,850.40	1,850.40
Sewer Ventilation,	541.71	541.71
Street Lighting,	61,000.00	58,086 35
Unexpended Balance,		8,539 32
	$307,607.00	$307,607.00

Sewers.

Construction, Inspectors, etc.,	$13,617.02

Street Improvements.

Damages to Street and Building Lines,	$319.49

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Sidewalks.

		Amended appropriation.	Expended.
Construction and Repairs,			$3,373.93

Street Sprinkling.

Amount Paid on Contract,			$25,149.56

Southwest Extension.

Construction, Inspectors, etc.,			$1,956.56

Franklin Avenue Relief Sewer.

Construction, Inspectors, etc.,			$149.06

Albany Avenue Improvements.

Construction, Inspectors, etc.:			
Appropriations,	$20,000.00		
Received by Treasurer,	14,373.78	$34,373.78	$23,434.63
Unexpended Balance,			10,939.15
		$34,373.78	$34,373.78

POLICE RESERVE FUND.

5 per cent. of Liquor License,	$3,600.00	$3,473.86
Unexpended Balance,		126.14
	$3,600.00	$3,600.00

FIREMEN'S RELIEF FUND.

5 per cent. of Liquor License,	$3,600.00	$3,473.87
Unexpended Balance,		126.13
	$3,600.00	$3,600.00

PARK DEPARTMENT.

Care of Parks,	$46,500.00	$46,500.00
	$46,500.00	$46,500.00

PUBLIC LIBRARY.

Wadsworth Athenæum,	$12,000.00	$12,000.00
	$12,000.00	$12,000.00

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WATER DEPARTMENT.

	Amended appropriation.	Expended.
1010 Fire Hydrants @ $18.00,	$18,180.00	$18,180.00
7 Drinking Fountains @ $60.00,	420.00	420.00
3 Drinking Fountains @ $30.00,	90.00	90.00
1 Drinking Fountain @ $20.00,	20.00	20.00
	$18,710.00	$18,710.00

MILITARY COMMUTATION TAX.

8,133 Persons @ $2.00 less 10% Rebate,	$14,639.40	$14,639.40
Enrollment,	600.00	600.00
Abstract and Book,	90.00	90.00
	$15,329.40	$15,329.40

COUNTY TAX.

¼ of a mill on list of $73,357,470.00,	$18,339.37	$18,339 37
	$18,339 37	$18,339.37

EAST SIDE FLOOD PROTECTION.

For Engineering Investigation,	$1,000.00	$ 464.23
Unexpended Balance,		535.77
	$1,000.00	$1,000.00

CONNECTICUT RIVER BRIDGE AND APPROACH ACCOUNT.

Vote of City Meeting, April 7, 1902, for Stone Bridge,	$1,000,000.00		
Expended 1904-1905,	672,685.56	$327,314.44	$327,314.44
For Western Approach,	709,000.00		
Exp. '03-'04, $300,000			
Exp. '04-05, 50,000	350,000.00	359,000.00	
Unexpended Balance,			359,000.00
		$686 314.44	$686,314.44

CONNECTICUT RIVER BRIDGE AND HIGHWAY COMMISSION.

Annual Maintenance Expense of Commission,	$15,000.00	$8,281.24
Unexpended Balance,		6,718.76
	$15,000.00	$15,000.00

PREMIUM ON CONNECTICUT RIVER BRIDGE BONDS.

Expense of Issuing Bonds,	$1,432.22
	1,432.22

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SUMMARY OF INVENTORIES OF CITY PROPERTY, THE ORIGINAL AND COMPLETE INVENTORY BEING ON FILE IN THE CONTROLLER'S OFFICE:—

	Real Estate.	Personal Property.
Board of School Visitors,	$	$48,532 83
Bath House Committee,	7,000.00	528 00
Board of Street Commissioners,	20,074.00	34,201.21
Corporation Counsel,		409.50
Cemeteries, Zion Hill,	8,478.00	411.80
Cemeteries, Old North,	13,910.00	522.00
Charity Department,	154,100.00	22,555.33
Fire Department,	174,400.00	138,488.81
Health Department,	9,000.00	3,559.24
High School,	556,000.00	89,450.00
Park Department,	1,967,262.00	21,068.31
Police Department,	101,000.00	13,324.65
Public Buildings:		
City Hall, Building and Land,	457,500 00	
City Hall, Boiler, etc.,		1,000.00
City Hall, Aldermen's Chamber,		500.00
City Hall, Councilmen's Chamber,		340.00
Halls of Record, Building and Land,	40,000.00	
Halls of Record, Boiler, etc.,		1,000.00
Sheldon Street Coffee House,	1,800.00	
Dock at Commerce Street,	5,000.00	
Assessors' Office,		7,236.50
Building Inspector,		503 00
Controller's Office,		400.00
Collector's Office,		1,012.30
City Court,		538.00
Mayor's Office,		1,093.25
Registrar's Office,		239.50
Sealer of Weights and Measures,		363.85
Treasurer's Office,		268.00
Town Clerk's Office,		8,090.05
Selectmen, Voting Machines, etc.,		13,901.00
Water Department,	1,661,640 84	1,810,401.09
Land Purchased of Colt Estate,	1,000.00	
	$5,178,164.84	$2,219,638.22

Total of Real Estate and Personal Property, $7,397,803 06

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RECAPITULATION.

	Amended appropriation.	Expended.	Balance.
Police Department,	$134,476.50	$132,822.39	$1,654.11
Health Department,	15,215.00	15,001.87	213.13
Charity Department,	107,729.00	107,727.01	1.89
Fire Department,	149,050.00	145,603.86	3,446.14
Common Council,	8,736.84	6,616.15	2,120.69
Public Baths,	4,060.00	3,427.97	632.03
Schools,	106,399.38	106,399.38	
High School,	79,800.00	79,799.57	.43
School Visitors,	41,100.00	41,010.83	89.17
Public Buildings,	15,800.00	15,799.35	.65
Police Court,	7,865.00	7,731.66	133.34
Probate Court,	567.00	498.52	68.48
City Court,	5,395.23	5,239.07	66.16
Legal and Claims,	10,500.00	9,162 93	1,337 07
Mayor,	3,800 00	3,533 47	266.53
Collector,	10,200.00	10,187.35	12.65
Treasurer,	6,400.00	6,350.74	49.26
Assessors,	10,800 00	10,748 16	51.84
Marshal,	550.00	550.00	
Controller,	3,600.00	3,600.00	
Town Clerk,	6,262 00	6,262.00	
Building Inspector,	4,450.00	4,448.39	1.61
Sealer of Weights and Measures,	1,855.00	1,710 30	144.70
Registrars,	8,388.00	8,038.23	349.77
Selectmen,	4,260.00	3,844.14	415.86
Cemeteries,	5,690.00	5,281.53	408.47
Advertising,	5,000.00	4,381.47	618.53
Street Department,	307,607.00	299,067.68	8,539.32
Police Reserve Fund,	3,600.00	3,473.86	126.14
Firemen's Relief Fund,	3,600.00	3,473.87	126.13
Park Department,	46,500.00	46,500.00	
Public Library,	12,000.00	12,000.00	
Water Department,	18,710.00	18,710.00	
Military Commutation Tax,	15,329.40	15,329.40	
County Tax,	18,339.37	18,339.37	
Maintenance of Bridge Comms.,	15,000.00	8,281.24	6,718.76
East Side Flood Protection,	1,000.00	464.23	535.77
Albany Avenue Improvements,	34,373.78	23.434 63	10,939.15
	$1,234,008.50	$1,194,940.62	$39,067.88

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PERMANENT IMPROVEMENTS.

	Expended.
Brought forward, . . .	$1,194,940.62
Construction of New Bridge, . . .	327,314.44
Hartford's Appropriation of 79% of $500,000,	395,000.00
Sewers, ...	13,617.02
Street Improvements, ...	319.49
Sidewalks, ...	3,373.93
Street Sprinkling, ...	25,149.56
Franklin Avenue Relief Sewer, . .	149.06
Intercepting Sewer, Southwest, .	1,956.56
Expense of Issuing Bonds, . . .	1,432.22
Amount Expended, . . .	$1,963,252.90

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REPORT

OF THE

BUILDING INSPECTOR.

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Report of Building Inspector

FOR THE SIX MONTHS ENDING DEC. 31, 1905.

HARTFORD, CONN., January 1, 1906.

To the Honorable Court of Common Council of the City of Hartford:

GENTLEMEN: — In accordance with the requirements of the ordinances relating to the duties of the Building Inspector, I hereby submit a report of the work of the office for the six months ending December 31, 1905, together with a summary of the year's business.

The estimated amount expended for building improvements for the past six months is $1,922,692.00, and the number of permits issued is 329.

Compared with the corresponding six months of the year preceding, this shows a gain of 73 permits and $711,392.00 in amount expended

The number of tenements added during the past six months is 342, an increase of 124 over the same period of the preceding year.

INSPECTIONS.

Below is a tabulated statement of the work of the office during the past six months.

This does not fully show all the duties that devolve upon the department, as a large part of the daily routine is of an advisory nature of which no accurate record can be kept.

Inspections of buildings in course of construction,	2,263
" " old buildings, yards and areas,	1,230
" " theatres,	88
" preliminary to granting permits,	22
" to determine safe loads to be carried on warehouse and factory floors,	12

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Unsafe buildings ordered demolished, . . .	2
Orders given for changes and repairs to old buildings,	81
Violations of building ordinances, . . .	18
Prosecutions for violations of building ordinances, .	1
Permits for removing buildings, . . .	4

TENEMENT HOUSES.

The Tenement House Act as passed by the General Assembly went into effect June 29, 1905, and the enforcement of its provisions has been added to the duties of the inspector.

There have been 44 tenement houses built during this period, and a fair trial has been given of the workings of this Act. While it may occasionally work a hardship on an individual, I believe that this law will prove in the long run a benefit to the general public. There has been a great improvement during the past ten years in buildings of the tenement house class, and it is a gratifying condition when it can be stated that during the period covered by this report every application for a permit to build a tenement house has been granted, and it has been necessary to make very few changes in plans. The fact that the majority of the plans submitted are in advance of the requirements of the law would show that the owners seem to understand that not only are the modern improvements conducive to the health, peace, and comfort of tenants, but they draw a more reliable and permanent class of tenants.

FIRES.

During the past six months there have been 143 fires, of which 64 were box alarms and 79 still alarms.

Three persons lost their lives, and property to an estimated value of $108,229.00 was destroyed during this period.

A monthly statement of the fires is here shown:

	Box Alarms.	Still Alarms.	Est. Damage.
July	7	11	$4,745.00
Aug.	11	8	16,200.00
Sept.	8	7	2,725.00
Oct.	11	12	61,150.00
Nov.	15	26	3,225.00
Dec.	12	15	20,184.00
Totals,	64	79	$108,229.00

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SUMMARY FOR YEAR.

The year just closed has been the largest year of record in building operations in the city, as is shown by comparison with previous years.

There have been 664 permits issued during the past year, at an estimated value of $3,076,091.50.

Compared with the previous year, this shows a gain of 153 in number of permits and $931,486.50 in value.

There have been added during this period 622 tenements, which is a gain of 301 over the previous year.

A comparison of the building operations for the years of record is here given:

Year.	Amt. Expended.	Gain for 1905.
1898	$1,895,400.00	62%
1899	2,144,400.00	43%
1900	2,551,700.00	21%
1901	2,612,100.00	18%
1902	1,105,555.00	80%
1903	1,694,605.00	80%
1904	2,144,605.00	43%
1905	3,076,091.50	

This shows an average increase for 1905 of about 64% over the preceding seven years; and while this might appear to denote a boom in building operations, a study of the tables herewith given will show that the increase is to a great extent on account of the building of new dwellings and tenement houses, which are needed to supply the demand of an increasing population, due in some measure to the growth of our manufacturing industries.

HARTFORD'S BUILDING OPERATIONS COMPARED WITH OTHER CITIES OF THE STATE.

It will be seen by the following table that Hartford leads the State in building operations for 1905.

The next highest city is New Haven, which falls behind Hartford in total valuation of new work over one million ($1,000,000.00) dollars.

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	Permits.	Value.	Gain for Hartford.
New Haven,	451	$2,058,382.00	$1,017,709.50
Bridgeport,	580	1,937,021.00	1,139,070.50
Waterbury,	440	2,024,200.00	1,051,891.50
Hartford,	664	3,076,091.50	

DWELLINGS AND TENEMENT HOUSES.

There were 195 permits issued for dwellings and tenement houses at an estimated cost of $1,421,000.00, which is about 46% of the whole volume of work for the year.

That this class of building is not being overdone and that it is only meeting a demand, is proved by the fact that the buildings are occupied as quickly as finished.

A surprising showing as to the character of the dwellings and tenement houses being built in Hartford at the present period is evidenced by the high average cost of the buildings which have been erected during the past year, which is $7,300.00.

Hartford can justly lay claim to being a city of good homes; and while I have no statistics bearing on the subject, I feel sure that in no other city of the State will this record for high-grade houses be excelled.

SCHOOLS.

This year has shown a change in the schoolhouses, there being under way at the present time additions and new buildings for educational purposes costing $286,000.00 for the accommodation of an increasing attendance.

FACTORIES.

An indication of the growth of our manufacturing industries is shown by the number of permits issued and amount expended for new buildings and improvements for factory purposes, there having been 23 permits issued at an estimated value of $444,295.00.

FIRES.

	Box Alarms.	Still Alarms.	Est. Damage.
Jan.	11	13	$3,525.00
Feb.	10	26	45,792.00
March	12	19	12,340.00
April	8	22	1,745.00

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	Box Alarms.	Still Alarms.	Est. Damage.
May	15	18	14,310.00
June	3	7	22,110.00
July	7	11	4,745.00
Aug.	11	8	16,200.00
Sept.	8	7	2,725.00
Oct.	11	12	61,150.00
Nov.	15	26	3,225.00
Dec.	12	15	20,184.00
	123	184	$208,051.00

In this connection I wish to commend the efficient services rendered by the Deputy Inspector, whose vigilance and faithfulness have materially lessened the danger of fire, especially in the business section of the city, where the accumulation of inflammable rubbish would be a serious menace.

The tables following give in detail the building operations for the period covered by this report.

Respectfully submitted,

FRED J. BLISS,
Building Inspector.

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NEW TENEMENTS ERECTED FROM JULY 1 TO DECEMBER 31, 1905.

	Tenements by Wards.									
Wards,	1	2	3	4	5	6	7	8	9	10
Ward total,	0	14	65	35	0	3	59	59	51	56

Whole total for the last six months of 1905—342.

The table below illustrates the proportion each ward bears to the other in amount expended for building operations of all kinds:

10th Ward,	First	3d Ward,	Sixth
8th "	Second	6th "	Seventh
4th "	Third	7th "	Eighth
9th "	Fourth	2d "	Ninth
5th "	Fifth	1st "	Tenth

Recapitulation.

	Permits.	Est'd Cost.
Building operations for the last six months of 1904,	256	$1,211,300
Building operations for the last six months of 1905,	329	1,922,692
Gain for 1905,	73	$711,392

Tenements added by new buildings from July 1 to December 31, 1904—218.

Tenements added by new buildings from July 1 to December 31, 1905—342.

Gain for 1905—124.

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NEW TENEMENTS ERECTED DURING THE YEAR ENDING DECEMBER 31, 1905.

TENEMENTS BY WARDS.

Wards,	1	2	3	4	5	6	7	8	9	10
Ward total,	0	56	89	72	6	3	109	138	69	80

Whole total for the year of 1905—622.

The table below illustrates the proportion each ward bears to the other in amount expended for building operations of all kinds:

10th Ward,	First	9th Ward,	Sixth
8th "	Second	2d "	Seventh
5th "	Third	7th "	Eighth
4th "	Fourth	1st "	Ninth
3d "	Fifth	6th "	Tenth

RECAPITULATION.

	Permits.	Est'd Cost.
Building operations for the year 1904,	511	$2,144,605.00
Building operations for the year 1905,	664	3,076,091.50
Gain for 1905,	153	$931,486.50

Tenements added by new buildings from January 1 to December 31, 1904—321.

Tenements added by new buildings from January 1 to December 31, 1905—622.

Gain for 1905—301.

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BUILDING OPERATIONS FROM JULY 1 to DECEMBER 31, 1905.

CLASSIFICATION.		WARDS										Totals.
		I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Est'd Cost.
Dwelling Houses...	No....	.....	.....	8	15	.....	.....	11	6	.....	29	69
	Estimated Cost	.....	.....	$34,200	$80,900	.....	.....	$54,300	$40,500	.....	$198,700	$408,600
Tenement Houses..	No.....	.....	2	10	1	.....	1	0	9	10	2	44
	Estimated Cost	.. ....	$36,500	99,500	12,000	... ...	$10,000	75,800	88,000	$104,000	25,000	450,800
Manufactories	No.....	1	4	1	1	.....	.....	... ...	1	1	5	14
and Workshops...	Estimated Cost	$35,000	24,295	35,000	3,500	.....	.....	.....	50,000	50,000	177,300	375,095
Church.....	No.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
	Estimated Cost	.....	.....	.....	75,000	.....	.....	.....	.....	.....	.....	75,000
Schoolhouses.....	No.....	.....	.....	.....	1	1	.....	... ...	1	1	1	5
	Estimated Cost	.....	.....	... ...	50,000	$23,000	.....	.....	73,000	65,000	75,000	286,000
Coal Pocket.....	No.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
	Estimated Cost	.....	.....	.....	7,000	.....	.....	.....	.....	.....	.....	7,000
Barns and Sheds...	No.....	5	5	15	9	2	.....	13	6	3	13	71
	Estimated Cost	9,075	4,550	3,310	4,735	5,200	.....	2,960	470	825	7,875	39,000
Alterations	No.....	9	23	22	6	21	8	10	10	5	10	124
and Additions....	Estimated Cost	23,400	18,155	15,105	7,932	80,710	8,625	7,045	6,700	2,710	10,815	281,197
Total by Wards.....		15	34	56	35	24	9	43	33	20	60	329
Estimated Cost by Wards.....		$67,475	83,500	187,115	241,067	208,910	18,625	140,105	258,670	222,535	494,690	1,922,692

Number of permits for new buildings.....205—Estimated cost $1,641,495.
Number of permits for alterations and additions.....124—Estimated cost 281,197.

Totals..... ....329 $1,922,692.

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BUILDING OPERATIONS DURING THE YEAR ENDING DECEMBER 31, 1905.

CLASSIFICATION.		WARDS										Totals.
		I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Est'd Cost.
Dwelling Houses	No	.....	5	15	33	.....	.....	23	33	4	38	151
	Estimated Cost	.....	$53,000.00	$73,700	$192,300	.....	.....	$151,600	$202,400	$40,000	$257,200	$970,200.00
Tenement Houses	No	.....	2	10	1	.....	1	9	9	10	2	44
	Estimated Cost	.....	36,500.00	99,500	12,000	.....	$10,000	75,800	88,000	104,000	25,000	450,800.00
Apartment and Business Bld'gs	No	1	1	2	.....	1	.....	.....	.....	.....	.....	5
	Estimated Cost	$3,000	18,000.00	45,500	.....	50,000	.....	.....	.....	.....	.....	116,500.00
Manufactories and Workshops	No	3	4	4	1	.....	.....	1	1	3	6	23
	Estimated Cost	41,000	24,295.00	44,800	3,500	.....	.....	300	50,000	101,100	179,300	444,295.00
Church	No	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
	Estimated Cost	.....	.....	.....	75,000	.....	.....	.....	.....	.....	.....	75,000.00
Schoolhouses	No	.....	.....	.....	1	1	.....	.....	1	1	1	5
	Estimated Cost	.....	.....	.....	50,000	23,000	.....	.....	73,000	65,000	75,000	286,000.00
Freight Houses and Coal Pocket	No	.....	2	.....	1	.....	.....	1	.....	.....	.....	4
	Estimated Cost	.....	100,000.00	.....	7,000	.....	.....	7,000	.....	.....	.....	114,000.00
Barns and Sheds	No	13	9	22	17	4	5	26	13	7	31	147
	Estimated Cost	11,850	5,750.00	5,680	5,805	5,475	2,650	6,710	1,470	2,350	17,265	65,005.00
Alterations and Additions	No	25	56	36	12	40	26	23	27	11	28	284
	Estimated Cost	79,336	28,022.50	56,445	14,457	288,248	17,625	16,438	19,270	10,785	23,665	454,291.50
Total by Wards		42	79	89	67	46	32	83	84	36	106	664
Estimated Cost by Wards		$135,186	265,567.50	325,625	360,062	366,723	30,275	257,848	434,140	323,235	577,430	3,076,091.50

Number of permits for new buildings .....380—Estimated cost $2,621,800.00
Number of permits for alterations and additions.....284—Estimated cost 454,291.50

Totals.....664 $3,076,091.50

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FOR THE SIX MONTHS ENDING JUNE 30, 1906.

HARTFORD, CONN., July 1, 1906.

To the Honorable Court of Common Council of the City of Hartford:

GENTLEMEN: — In accordance with the requirements of the ordinances relating to the duties of the Building Inspector, I hereby submit a report of the building operations in the city of Hartford and the work of this office for the six months ending June 30, 1906.

BUILDING OPERATIONS.

The building operations during the past six months have exceeded those of any like period in the city's history, there having been 360 permits issued, and the estimated amount expended in erecting, altering, and repairing buildings aggregating $2,348,925.00.

Compared with the corresponding six months of the year preceding, this shows a gain of 25 permits and $1,195,525.50 in amount expended.

CLASSES OF BUILDINGS.

The number and cost of the various classes of buildings making the above total is here given:

Class.	No.	Cost.
Dwellings,	53	$255,400.00
Tenement Houses,	45	431,700.00
Schoolhouses,	2	90,000.00
Business Buildings,	4	872,000.00
Factories,	5	300,500.00
Churches,	1	15,000.00
Coal Pockets,	1	45,000.00
Barns and Sheds,	98	107,685.00
Alterations and Repairs,	151	231,640.00
Total,	360	$2,348,925.00

For further details, refer to tabulated statement appended.

AVERAGE COST OF DWELLINGS AND TENEMENT HOUSES.

It is interesting to note that the average cost of the dwellings is $5,000.00 and of the tenement houses, $9,600.00, which facts

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bear evidence to the high grade of buildings being erected for living purposes.

There have been 320 tenements added, which is a gain of 40 over the number added during the same period last year. I will state in this connection that since January 1, 1905, there have been added 942 tenements, and it might seem, from this large number, that building of this character was being overdone, but when one takes into consideration the many additions to our factories which have been built during the past year, it is plain to see that this large number of new rents is only meeting a demand due to the great prosperity of our manufacturing interests, necessitating the bringing into town of a large number of new workmen who must have homes. The prospects are for continued activity in this line of building.

FACTORIES.

There were five permits for new factories during this period, costing approximately $300,500.00, the most important being the following:

Factory for The Whitney Mfg. Co.
" " The Pratt & Whitney Mfg. Co.
" " The Pope Mfg. Co.

BUSINESS BUILDINGS.

There were four permits issued for new business buildings, costing approximately $872,000.00, all of them of fireproof construction. List follows:

Office building for Travelers Insurance Co.
" " " Connecticut General Life Insurance Co.
Store building for Hamersley Estate.
" " " Jerome E. Sage.

INSPECTIONS.

The following table shows in detail the work of the office:

Inspections of buildings in course of construction,	1,468
" " old buildings, yards and areas,	1,178
" " theatres,	78
" preliminary to granting permits,	42
" to determine safe loads to be carried on warehouse and factory floors,	4

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Orders given for changes and repairs to old buildings,	48
Permits for removing buildings,	4

Unusual care has been required in the inspection of plans, particularly in the enlargement of old buildings which were not built in accordance with the requirements of the present ordinances and the Tenement House Act.

In many instances the plans presented had to be changed materially before permits could be issued, but no plans have been rejected, it being wiser in my judgment and productive of better results to suggest modifications to meet the requirements of the Building Ordinances.

RECOMMENDATION.

The use of reinforced concrete and cement blocks is becoming a prominent factor in building construction, and provision should be made in our Building Ordinances defining the conditions under which these forms of construction can be used.

FIRES.

During the past six months Hartford has been very fortunate in escaping disastrous fires. There have been, however, four deaths attributable to fires.

The total number of fires was 176, of which 92 were box alarms and 84 were still alarms.

The estimated value of property destroyed during this period was $72,130.00.

MONTHLY STATEMENT OF FIRES.

	Box Alarms.	Still Alarms.	Est. Damage.
Jan.	16	19	$33,850.00
Feb.	22	15	30,875.00
March	12	7	1,625.00
April	11	21	1,965.00
May	20	12	3,335.00
June	11	10	480.00
Total,	92	84	$72,130.00

The tables following give in detail the building operations for the period covered by this report.

Respectfully submitted,

FRED J. BLISS,
Building Inspector.

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NEW TENEMENTS ERECTED FROM JANUARY 1 TO JULY 1, 1906.

TENEMENTS BY WARDS.

Wards,	1	2	3	4	5	6	7	8	9	10
Ward total,	0	26	62	54	0	0	46	32	70	30

Whole total for the first six months of 1906—320.

The table below illustrates the proportion each ward bears to the other in amount expended for building operations of all kinds:

1st Ward, . .	First	5th Ward, . .	Sixth
9th " . .	Second	3d " . .	Seventh
8th " . .	Third	10th " . .	Eighth
4th " . .	Fourth	2d " . .	Ninth
7th " . .	Fifth	6th " . .	Tenth

RECAPITULATION.

	Permits.	Es'td Cost.
Building operations for the first six months of 1906,	360	$2,348,925.00
Building operations for the first six months of 1905,	335	1,153,399.50
Gain for 1906, ...	25	$1,195,525.50

Tenements added by new buildings from January 1 to July 1, 1905—280.

Tenements added by new buildings from January 1 to July 1, 1906—320.

Gain for 1906—40.

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BUILDING OPERATIONS FROM JANUARY 1 TO JULY 1, 1906.

CLASSIFICATION.		WARDS										Totals.
		I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Est'd Cost.
Dwelling houses	No	.....	.....	8	16	.....	.....	10	6	.....	13	53
	Estimated Cost	.....	.....	$40,500	$84,500	.....	.....	$40,400	$26,000	.....	$64,000	$255,400
Tenement houses	No	.....	4	8	4	.....	.....	6	7	16	.....	45
	Estimated Cost	.....	$38,000	76,700	58,500	.....	.....	59,000	39,500	$160,000	.....	431,700
Business buildings	No	1	.....	.....	.....	3	.....	.....	.....	.....	.....	4
	Estimated Cost	$750,000	.....	.....	.....	$122,000	.....	.....	.....	.....	.....	872,000
Manufactories and Workshops	No	.....	.....	.....	.....	.....	.....	1	1	2	1	5
	Estimated Cost	.....	.....	.....	.....	.....	.....	2,500	80,000	210,000	8,000	300,500
Church	No	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	Estimated Cost	15,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	15,000
Schoolhouses	No	.....	.....	.....	.....	.....	.....	.....	1	.....	1	2
	Estimated Cost	.....	.....	.....	.....	.....	.....	.....	65,000	.....	25,000	90,000
Coal Pocket	No	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	Estimated Cost	45,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	45,000
Barns and Sheds	No	4	3	10	15	2	3	20	12	7	22	98
	Estimated Cost	1,475	225	2,570	62,065	12,000	$2,175	4,715	4,965	8,965	8,530	107,685
Alterations and Additions	No	13	20	17	8	15	14	18	16	10	20	151
	Estimated Cost	25,850	20,925	20,015	13,260	30,450	12,275	66,215	19,130	5,895	17,625	231,640
Total by Wards		20	27	43	43	20	17	55	43	35	57	360
Estimated Cost by Wards		$837,325	59,150	139,785	218,325	164,450	14,450	172,830	234,595	384,860	123,155	$2,348,925

Number of permits for new buildings.....209—Estimated cost $2,117,285
Number of permits for alterations and additions.....151—Estimated cost 231,640

Totals.....360 $2,348,925

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REPORT

OF THE

Committee on Abatement of Taxes

To March 26, 1906

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REPORT OF THE COMMITTEE ON ABATEMENT OF TAXES.

HARTFORD, CONN., March 26, 1906.

To the Honorable Court of Common Council:

GENTLEMEN:—The Committee on Abatement of Taxes submits the following report of the abatements made from April 1, 1905, to April 1, 1906, viz:—

List of	City.	Sinking Fund.
1899	$ 25.50	$ 1.50
1900	204.56	11.90
1901	597.14	34.64
1902	715.49	40.72
1903	817.68	47.12
1904	1,767.34	90.57
Total, . .	$4,127.71	$226.45

Also 6464 Mliitary Commutations on list of 1901, at $2.00 each, $12,928.00

Respectfully submitted,

AMOS REYNOLDS,
FRED J. BROWN,
P. H. FAGAN,
Committee.

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REPORT

OF

Officers of Firemen's Relief Fund

To March 26, 1906.

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REPORT OF THE FIREMEN'S RELIEF FUND.

HARTFORD, CONN., March 26, 1906.

Honorable Court of Common Council :

GENTLEMEN :—The Ninth Annual Report of the Firemen's Relief Fund of the City of Hartford for the fiscal year ended March 31, 1906, is herewith respectfully submitted :—

Balance on hand April 1, 1905,	$23,041.64	

RECEIPTS.

Assessments on members,	$576.73	
Donation from Wm. H. Garde,	25.00	
Donation from Conn. Loan & Realty Co.,	25.00	
Donation from Leopold De Leeuw,	5.00	
Donation to Relief Fund Entertainment,	1,033.05	
5 per cent. of Liquor License Fees ($69,477.30),	3,473.87	
Interest on Deposits in Bank,	878.30—	$29,058.59

DISBURSEMENTS.

Henry J. Eaton, benefit,	$1,250.00	
Walter B. Clark, benefit,	500.00	
Francis Fitzpatrick, benefit,	200.00	
Seymour Clark, benefit,	200.00	
J. W. Thorman, benefit,	200.00	
Samuel J. Camp, benefit,	212.81	
J. J. Given, benefit,	200.00	
Henry Harris, benefit,	50.00	
Edward Sommermann, benefit,	600.00	
F. C. Krug, benefit,	300.00	
James S. Secor, benefit,	300.00	
Jason Wilson, benefit,	200.00	
Edwin J. Hale, benefit,	200.00	
Dennis F. Cooney, benefit,	200.00	
Gordon B. Hale, benefit,	133.33	
Niles Estlow, benefit,	183.33	
A. A. Sommermann, benefit,	183.31	
Typewriting,	.90	
Clark & Smith, printing,	4.20	5,117 88
Balance on hand, April 1st, 1906,		$23,940.71

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CASH ON HAND AND IN BANK.

In the hands of Treasurer of the Fund,	$567.75	
Deposit in Society for Savings,	2,496.96	
Deposit in State Savings Bank,	3,365.57	
Deposit in Mechanics Savings Bank,	3,954.32	
Deposit in Dime Savings Bank,	2,115.15	
Deposit in Farmington Savings Bank,	3,483.55	
Deposit in Savings Bank of Rockville,	2,752.09	
Deposit in Savings Bank of New Britain,	3,351.40	
Deposit in Bristol Savings Bank,	1,853.92	$23,940.71

Amount of benefits paid since fund was organized, $17,709.47.

CHARLES E. PARKER,
President.

LOUIS KRUG,
Secretary.

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REPORT

OF THE

CORPORATION COUNSEL

FOR THE

City Year 1905-1906.

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REPORT.

HARTFORD, CONN., April 14, 1906.

To the Honorable Court of Common Council of the City of Hartford:

SIRS: — The following is the annual report of the Legal Department for the year ending March 31, 1906.

There were actions on the docket at the date of last report,	17
New actions,	13
Total,	30
Disposed of — old cases, 11; new cases, 4,	15
Still on docket,	15

DISPOSED OF — (OLD CASES).

(1)

JOHANNA FLANNAGAN *vs.* CITY OF HARTFORD. } CITY COURT, CITY OF MERIDEN, First Monday in October, 1904.

Action claiming $5,000 for highway defect (snow and ice) January 26, 1904, on the southeast corner of Washington and Buckingham Streets. Judgment for plaintiff to recover nominal damages only,— $50 and costs.

(2)

PATRICK J. FLANNAGAN *vs.* CITY OF HARTFORD. } CITY COURT OF MERIDEN, First Monday of October, 1904.

Claiming damages for same injury as the foregoing. Demurrer filed by the defendant sustained. Action then withdrawn.

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(3)

MARTHA E. WHITMAN *vs.* CITY OF HARTFORD. } COURT OF COMMON PLEAS, HARTFORD COUNTY, First Tuesday in January, 1905.

Action claiming $1,000 damages for highway defect on Adelaide Street. Judgment for plaintiff for $700 damages.

(Note.) In this case the property owners paid to the City on a claim of salvage the sum of $200.

(4)

CITY OF HARTFORD *vs.* MICHAEL SULLIVAN AND FRANK ROONEY. } CITY COURT, First Monday in February, 1905.

Judgment for plaintiff as against Sullivan to recover $251.83; judgment in favor of defendant Rooney.

(5)

JANET B. McGREGOR *vs.* CITY OF HARTFORD. } COURT OF COMMON PLEAS, HARTFORD COUNTY, First Monday in February, 1905.

Action claiming $1,000,— highway defect on South Hudson Street. Settled under vote of Court of Common Council May 8, 1905, on payment of $50.

(6)

ANNA P. DAVIS *vs.* CITY OF HARTFORD. } COURT OF COMMON PLEAS, HARTFORD COUNTY.

Action claiming $1,000 damages. Settled on payment by City of $3 entry fee August 16, 1905.

(7)

STATE OF CONNECTICUT *vs.* HATTIE J. BUGBEY AND TOWN OF HARTFORD. } CITY COURT, First Monday in April, 1905.

Action to foreclose a mortgage to the School Fund. Judgment. The City had not sufficient interest to run the risk of redemption.

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(8)
CITY OF HARTFORD
vs.
COLUMBIA BREWING CO.
} CITY COURT, CITY OF HARTFORD.

Struck from docket.

(9)
CITY OF HARTFORD
vs.
JOSEPH K. LANMAN *et al.*
} SUPERIOR COURT, HARTFORD COUNTY.

Tried by Mr. Tuttle, acting corporation counsel, since I had been of counsel for the defendants. Judgment for the defendants. This was an action for ejectment, the premises claimed by the City being a portion of the Old Burying Ground.

(10)
WILLIAM AND MARGARET O'CONNELL
vs.
JOSEPH SIGAL AND CITY OF HARTFORD.
} CITY COURT, CITY OF HARTFORD.

Action struck from docket.

(11)
ALLEN C. MATHER
vs.
CITY OF HARTFORD.
} First Tuesday in June, 1904.

This was an action for injunction and damages against defiling a brook in the northern section of the city. There was no defense to the action, the question merely being one of damages. Judgment was rendered against the City June 6, 1905, for $366, and injunction issued but suspended until the proposed Windsor Street system is complete.

NEW CASES.

(12)
ELIZABETH CRAVEN
vs.
CITY OF HARTFORD.
} SUPERIOR COURT, First Tuesday in May, 1905.

Action for damages (highway defect) on Morgan Street, claiming $3,000 damages. Settled in accordance with vote of Court of Common Council February 13, 1906, on payment of $200.

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(13)

PRESIDENT AND DIRECTORS OF HARTFORD RETREAT *vs.* CITY OF HARTFORD. — SUPERIOR COURT, First Tuesday in April, 1905.

This was an appeal from the Board of Relief from assessment of property of appellant for purposes of taxation by the Washington School District. Action settled upon the abatement of a portion of the assessment.

(14)

CITY OF HARTFORD *vs.* JAMES R. VALK. — CITY COURT, First Monday of July, 1905.

This was an action seeking an injunction against defendant's giving an exhibition on Main Street. An injunction was secured and afterwards modified, and action withdrawn February 6, 1906.

(15)

CITY OF HARTFORD *vs.* HARTFORD STREET RAILWAY CO. — CITY COURT, First Monday in July, 1905.

Action for balance due City, being money expended in repairs of the streets. Settled by payment of $494.41 by the Consolidated Railway Company. This was the principal amount and one-half the interest.

OLD CASES STILL PENDING IN COURT.

(1)

BEATTIE & WILDMAN *vs.* THE CITY OF HARTFORD. — SUPERIOR COURT, NEW HAVEN COUNTY.

(2)

LEONARD D. FISKE *et al.* *vs.* THE CITY OF HARTFORD. — SUPERIOR COURT, HARTFORD COUNTY.

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(3)
THE CITY OF HARTFORD
vs.
WIDOW AND HEIRS OF LANGDON HUBBARD.
} CITY COURT, CITY OF HARTFORD.

(4)
CITY OF HARTFORD
vs.
CITY OF NEW BRITAIN.
} SUPERIOR COURT, HARTFORD COUNTY.

(5)
GEORGE KELLER
vs.
THE CONNECTICUT RIVER BRIDGE AND HIGHWAY DISTRICT, AND THE CITY OF HARTFORD.
} SUPERIOR COURT, HARTFORD COUNTY.

(6)
JOHN W. STERLING *et al.*
vs.
THE CITY OF HARTFORD.
} SUPERIOR COURT, HARTFORD COUNTY, First Tuesday in Sept., 1903.

All the foregoing cases are still in the same position as appeared in the last report.

NEW CASES PENDING.

(1)
HART O. TALCOTT *et al.*
vs.
CITY OF HARTFORD.
} APRIL 15, 1905, *Coram* J. H. BROCKLESBY, J. P.

Action to recover moneys expended in the purchase of meals by members of the Board of Registration. Mr. Calhoun is acting for the City in this case.

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(2)

APPEAL OF CITY OF HARTFORD FROM RAILROAD COMMISSIONERS *de* APPLICATION OF HARTFORD STREET RAILWAY COMPANY, NEW BRITAIN AVENUE. — SUPERIOR COURT, First Tuesday in Sept., 1905.

This is the grooved rail appeal, and as it acts as a supersedeas I have not thought it necessary to bring it to trial.

(3)

HOTCHKISS & TEMPLETON CO. *vs.* CITY OF HARTFORD. — CITY COURT OF WATERBURY, First Tuesday in Dec., 1905.

This is a *scire facias* against the City to recover on a judgment as against Frank Pidgeon. Pidgeon went into bankruptcy within four months after the foreign attachment against Hartford, and there is no danger of a judgment against the City.

(4)

CITY OF HARTFORD *vs.* PHILIP F. HUGHES. — CITY COURT, First Monday in December, 1905.

An action claiming a small sum for rent of machinery hired by defendant.

(5)

CATHERINE O'LOUGHLIN *vs.* CITY OF HARTFORD. — COURT OF COMMON PLEAS, HARTFORD COUNTY, First Monday in Dec., 1905.

Action claiming $1,000 damages for alleged highway defect on the west side of Ann Street (snow and ice), February 12, 1905. Action is ready for trial before a jury.

(6)

ROSE GAFFEY *vs.* CITY OF HARTFORD. — COURT OF COMMON PLEAS, HARTFORD COUNTY, First Tuesday of December, 1905.

Action claiming $1,000 damages for alleged highway defect (snow and ice) on the north side of Albany Avenue, January 31, 1905. This action is ready for trial.

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(7)

JOHANNA FITZGERALD vs. CITY OF HARTFORD. } COURT OF COMMON PLEAS, HARTFORD COUNTY, First Tuesday in January, 1906.

Action for alleged highway defect (snow and ice) on the north side of Whitmore Street, December 5, 1904. This action is ready for trial and one deposition has been taken therein.

(8)

CITY OF HARTFORD vs. MICHAEL O'NEIL *et al.* } CITY COURT, First Tuesday in May, 1905.

This is an action of interpleader to determine the ownership of a fund under attachment amounting to about $1,100. It still drags its slow length along, the judgment of interpleader having been passed, but the defendants having not yet settled their rights as between themselves.

(9)

CITY OF HARTFORD vs. MECHANICS SAVINGS BANK. } CITY COURT, First Monday in Feb., 1906.

This is an amicable suit to determine whether or not municipal assessment liens of Hartford are barred by any statute of limitations. The case was argued in the Supreme Court at the March session. Decision has not yet been rendered.

In addition to the foregoing, a number of cases have been brought to recover taxes, reference to which will appear in a supplementary report of Richard J. Goodman, who has had those matters especially in charge in connection with Mr. Frank A. Hagarty.

SPECIAL PROCEEDINGS.

(1)

Appeal of Allen H. Rowe.

Still standing in the same status as set forth in last report.

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(2)

Mary W. Gray *et al.*

Appeal from Board of Street Commissioners.

This appeal has been heard. The report of John H. Buck, which is in favor of the City, has not yet been brought before the court for acceptance.

(3)

Application of City of Hartford
for abolition of Walnut Street grade crossing.

GARNISHMENTS.

All garnishments brought against the City have been released except what are merged in the interpleader brought by the City of Hartford *vs.* Michael O'Neil *et al.*

CHARTER CHANGES.

These have been elaborate, and are set forth in the pamphlets which were distributed among the members of the Court of Common Council. A compilation of the charter at present existing will be ready for distribution in the course of a short time. I expect to have ready for distribution within a fortnight a revision of the ordinances for the criticism of the council.

MISCELLANEOUS.

I employed during the winter months Charles P. Flynn as an investigator in snow and ice and other cases, and found his work valuable.

My thanks are due to all the city officials for their courtesy and energy in facilitating the work of the department. The Claims Committee has been careful and thorough in its work.

In the matter of taxes, I have been ably assisted by Messrs. Goodman and Hagarty. Collections passing through books since April 1, 1905, are shown below. Some items were paid directly to the collector to save bookkeeping.

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To City Collector:	
By Mr. Goodman,	$7,619.00
By Mr. Hagarty,	236.29
By Corporation Counsel,	1,433.45
To City Treasurer,	5,464.74
Board of Street Commissioners,	494.41
Total,	$15,247.89

To the Legal Department there was appropriated for the year ending March 31, 1905, the sum of $10,500. Expended, $9,162.63; unexpended, $1,337.07.

Yours respectfully,

ARTHUR L. SHIPMAN,

Corporation Counsel.

April 7th, 1906.

ARTHUR L. SHIPMAN, Esq.,
City Attorney.
2 Central Row, Hartford.

Dear Sir: —

In compliance with your letter of the 3d inst. I would report the following:

There has been collected on claims for taxes which have been in my hands, $7,619. Twenty-three suits have been brought, sixteen of which have been settled.

There are still pending in the City Court the following cases:

Foreclosures: City of Hartford *vs.* Delia Dorsey.
City of Hartford *vs.* Daniel Daly.

No appearance has been entered for the defendant in either of these cases, and judgment may be taken at any time.

Attachments: City of Hartford *vs.* Abraham Greenburg.
City of Hartford *vs.* L. Pease & Co.
City of Hartford *vs.* Samuel G. Tracy.
City of Hartford *vs.* Maynard S. Smith.
City of Hartford *vs.* Max M. Rivkin.

The last two cases are at issue and ready for trial, the three others are being settled by the defendants. Abraham Greenburg is in bankruptcy.

Yours truly,

RICHARD J. GOODMAN.

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CITY COURT

AND

LIST OF PAST RECORDERS

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RECORDERS OF CITY COURT.

1837 TO 1906 INCLUSIVE.

SETH TERRY,	1837 to 1848 inclusive
ELIPHALET A. BULKELEY,	1849 to 1855 inclusive
GOODWIN COLLIER,	1856 to 1857 inclusive
ELIPHALET A. BULKELEY,	1858
ELISHA JOHNSON,	1859
ELIPHALET A. BULKELEY,	1860-62
WILLIAM W. EATON,	1862-64
GEORGE G. SILL,	1864-66
WILLIAM W. EATON,	1866-72
GEORGE G. SILL,	1872-74
GEORGE G. SUMNER,	1874-78
EDWARD B. BENNETT,	1878-91
DANIEL A. MARKHAM,	1891-93
THOMAS MCMANUS,	1893-97
LEONARD MORSE,	1897-1905
HERBERT S. BULLARD, present time,	1905

By the charter of 1784 the present City Court was created, and the Mayor and the two senior Aldermen were constituted its judges, and so remained until the year 1836, when the office of Recorder was created. By act of the Legislature of 1905 the jurisdiction of this Court was extended so as to include all civil cases which had formerly been brought before justices of the peace.

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CITY COURT.

Recorder.

HERBERT S. BULLARD, 20 Niles St.

Clerk.

HERBERT A. ROSS, 23 Seyms St.

Marshal.

HART TALCOTT, 103 Wooster St.

Messenger.

CHARLES E. OLMSTED, 119 Ann St.

Compensation, $2.50 for each day of actual service.

Jurors for City Court.

Compensation, $2.50 for each day of actual service.

Adams, B. M.
Allen, J. P.
Bailey, G. S.
Baker, Isaiah, Jr.
Buckley, James W.
Camp, H. A.
Chase, J. S.
Daniels, Frank K.
Darling, Edgar C.
Davidson, Chas. S.
Davis, Alden G.
Eaton, Henry J.
Edwards, Alex. B.
Edwards, Chas. W. B.
Ellis, Augustine L.
Entress, Albert W.
Fagan, Philip H.
Farnsworth, Henry A.
Fitch, Frank M.
Fitts, Frank M.
Flagg, Edward L.
Flint, George W.
Forbes, Warren L.
Ford, Nelson G.
Gardner, Robt. N.
Garvan, Thos. F.
Gemmill, John
Gilbert, Benj. S.
Gilbert, Seth L.
Goodell, Geo. M.
Goodman, G. Ray
Goodwin, Charles L.
Grant, James P.
Griswold, Walter B.
Hall, James P.
Hanmer, Walter
Helfricht, Cuno A.
Hoadley, E. J.
Keane, James H.
Kellogg, Frank S.
Kent, Irving S.
Keep, William E.
Kiersted, Grant U.
Kimball, George C.
King, George W.
Kinsella, Richard J.
Kinyon, Frank S.
Knox, Frank J.
Lux, William K.
Lyon, Felix
Mahl, George
Mahon, William J. A.
Marwick, Albert, Jr.
Mayer, Jerome
McClary, John
McManus, Frank C.
Mellen, Frank G.
Merrow, George W.
Miller, William H.
Morse, J. Howard
Newton, Burton L.
Northam, Charles H.
Oakes, T. Edward

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Jurors for City Court.—Concluded.

Paine, Richard P.
Palmer, Frank L.
Parsons, Will S.
Peckham, Charles H.
Phelps, Richard O.
Phillips, Henry L.
Prutting, George
Quint, Alanson D.
Rathbun, Julius G.
Richards, Alfred T.
Seide, Harry
Sessions, Edson
Taylor, Harry K.
Tillinghast, Alvah H.
Ulrich, George
Walker, Robert
Walter, William
Wander, Eugene
Ware, Charles B.
Warner, Frank G.
Watson, Alexander
Way, Henry R.
Way, John L.
Webster, Charles M.
Williams, Alfred C. J.
Whipple, Frank H.
Whiting, Archie L.
Wood, John A.
Yates, Erton P.
Yeomans, Henry E.

JUSTICES OF THE PEACE.

Bennett, M. Toscan
Bill, Albert C.
Brocklesby, John H.
Brott, George O.
Broughel, Andrew J., Jr.
Bullard, Herbert S.
Clarke, Sidney E.
Coogan, John W.
Day, Edward M.
Dunning, Stewart N.
Dwyer, John J.
Eberle, Frederick G.
Eggleston, Arthur F.
Ellsworth, Ernest B.
Forward, John F.
Garvan, Edward J.
Halliday, Wilbur T.
Henney, William F.
Holden, Benedict M.
Hyde, E. Henry, Jr.
Hyde, William Waldo
Kempner, David
Kennedy, Thomas K.
Levy, Josiah W.
Markham, Daniel A.
Mather, Frank M.
McConville, William J.
McKone, John J.
Mildeberger, Henry D.
Mix, Clifford C.
Morse, Leonard
Murphy, Dennis J.
O'Brien, James P.
O'Flaherty, Hugh
Robinson, Lucius F.
Ross, Herbert A.
Rourke, George W.
Safford, Charles A.
Scharton, William R.
Scott, Thomas
Smith, Edward L.
Spellacy, Thomas J.
Steele, Edward L.
Stoner, George J.
Tuttle, Joseph P.
Vail, Thomas G.
Williams, Frank B.

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ANNUAL REPORT

OF THE

POLICE DEPARTMENT

To March 31, 1906.

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REPORT OF THE CHIEF OF POLICE.

OFFICE OF CHIEF OF POLICE,
HARTFORD, CONN., April 1, 1906.

To His Honor the Mayor, Board of Police Commissioners, and Members of the Common Council:

GENTLEMEN: — I have the honor to present to your Honorable Body the annual report of the Police Department, city of Hartford, for the year ending March 31, 1906.

The regular department, at the present time, consists of one chief, one captain, one lieutenant, two detective sergeants, six sergeants, ninety patrolmen, one of whom is doing the duty of a sergeant, and two supernumeraries detailed as patrol drivers.

There are also ninety-six supernumeraries, not under pay, only when taking the place of a regular officer.

CHANGES.

No changes of consequence have taken place in this department during the year. Two officers, Wm. H. Marshall and G. Herbert Peck, have resigned their positions, and Supernumeraries Edward W. Hayes and J. E. Borjeson were elected to fill the vacancies.

Supernumerary J. L. Dorsey was appointed a driver in place of Hayes promoted.

Two supernumeraries, Wm. Brandon and J. H. Clarkin, have also resigned.

Three appointments have been made to the supernumerary list by your Honorable Board the past year.

HEALTH.

There has been the usual amount of sickness among the members of the department, but not to an alarming extent, and I may say that the time lost by sickness has not been as great as in former years.

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MATRON.

The work of police matron has been attended to by Mrs. Hubbard, who has charge of all women brought to the Police Station, also the lost children. She has performed her work in a creditable manner.

POLICE BUILDING.

Work on the new steel cells, for which an extra appropriation was granted, has been commenced and they will be in readiness for occupancy in a short time. The new cells will be a decided improvement over the old style cells, and the sanitary conditions of the police building, especially the prison part, will be in better shape.

A dormitory has been fitted up in the room on the second floor, formerly used as a gymnasium, for a reserve squad. This will give the officer in charge a few men to call upon, in case of emergency, at hours when they are most needed.

DETECTIVE SERGEANTS.

The duties of the detective sergeants, John F. Butler and Theodore Dietrich, are many. The cases investigated and arrests made by them have been of much assistance to the officers of the police department.

The following shows the arrests made, complaints investigated, and lost and stolen property recovered by these officers:

Abandonment of child,	1
Adultery,	2
Assault and battery,	12
Assault intent to kill,	2
Accessory,	1
Arson,	1
Bastardy,	1
Bigamy,	2
Breach of peace,	6
Burglary,	8
Criminal assault,	1
Crazy people,	5
Conspiracy,	1
Disposing of leased property,	1
Embezzlement,	5

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False pretense,	1
Fugitives,	9
Fornication,	1
Forgery,	2
Failing to make election returns,	1
Gambling,	3
Highway robbery,	1
House of ill fame,	1
Incorrigible,	1
Indecent exposure,	1
Non-support,	8
Pickpockets,	1
Pool-room, keeping,	1
" frequenting,	3
Suspicion,	8
Thefts,	61
" from person,	1
" " " attempt at,	1
Vagrants,	12
Violation medicine law,	1
" liquor "	3
" junk "	4
" Sunday "	1
Total,	175
Cases investigated,	1,527
Lost and stolen property recovered,	$5,462.54

ARRESTS.

The total number of arrests made by the department during the past year amounts to five thousand, six hundred and twenty-eight (5,628).

The various crimes committed and disposition of the same are given in the following table:

Adultery,	4
Arson,	2
Assault and battery,	228
" intent to kill,	8
" " " rape,	1
Abandonment of child,	2
Advising abortion,	2
Bad boys,	2
Bastardy,	1
Bigamy,	2

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Breach of peace,	547
Burglary,	33
Breaking into railroad car,	1
Capias,	1
Cruelty to animals,	2
Conspiracy,	1
Contempt court,	3
Drunkenness,	3,561
Defrauding hotel,	2
" railroad company,	1
Deserters,	4
Disorderly house,	6
" " frequenting,	3
Disobeying an officer,	3
" orders of Building Inspector,	1
Embezzlement,	12
Evading responsibility,	8
Exceeding speed limit,	10
Exposure person,	3
False pretense,	4
Forgery,	3
Fornication,	21
Fugitives from justice,	10
Gambling house, keeping,	14
" " frequenting,	37
" crap shooting,	5
Highway robbery,	5
Horse stealing,	3
House ill fame,	15
" " " frequenting,	18
Incorrigible children,	29
Injury to property,	25
Indecent assault,	2
" exposure,	2
Interfering with an officer,	2
Kidnapping,	1
Lascivious carriage,	2
Neglect to send child to school,	1
" " file election returns,	1
Non-support,	36
Night walkers,	23
Malicious injury to property,	1
Pool-room, keeping,	1
" frequenting,	3
Pickpockets,	1

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Prostitutes,	19
Rape,	1
Receiving stolen goods,	1
Removing property,	1
Resisting officer,	28
Robbery,	1
Runaways,	24
Suspicious characters,	134
Taking team without leave,	4
Thefts,	278
" from person,	17
" of letter from United States mail,	1
Trespass on railroad,	81
Truants,	27
Vagrants,	153
Violation City Ordinances,	51
" license law,	57
" auto "	2
" dog "	12
" game "	2
" medicine "	2
" probation "	1
" speed "	1
" school "	9
" Sunday "	1
Wilful injury to property,	1

Of the arrests made, two thousand, four hundred and seventy-two (2,472) were taken before the Police Court for trial, the balance (3,150) being discharged as they were small offenses.

SIGNAL SERVICE.

The calls responded to in connection with the signal service are given below:

Alarms from boxes,	1,795
Telephone calls,	1,195
Ambulance "	893
Sick and injured taken to hospital,	754
" " " " " home,	95
Dead bodies taken to morgue,	29
" " " " undertakers,	19
" " " " residence,	3
Arrests made,	3,292
Miles traveled,	3,993

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LOST AND STOLEN PROPERTY.

The amount of lost and stolen property recovered and returned to owners the past year through the police was $10,066.23.

STORES FOUND OPEN.

While patrolling their beats, the officers have found one hundred and nine-five (195) stores unlocked, and have secured them properly or notified their owners, thereby saving a vast amount of property.

INSANE PERSONS.

Forty-six (46) of these unfortunate people have been cared for by the police department and detained until taken by their relatives or committed to some proper place.

LOST CHILDREN.

One hundred and forty-nine (149) lost children have been found and placed in charge of the matron until called for by their parents.

LICENSES.

The amount received for licenses granted the past year was $1,820.11, as follows:

Pawn-brokers,	$310.00	
Second-hand,	620.00	
Lodging-houses,	130.00	
Rag-pickers,	535.51	
Peddlers,	213.00	
Boot-blacks,	6.00	
Badges,	4.00	
Numbers,	1.60—	$1,820.11
Paid T. M. Parker for badges,	$106.00	
" Case, Lockwood & Brainard, printing,	55.20	
" John P. Dundon, signs,	40.00—	201.20
		$1,618.91

The balance, $1,618.91, has been paid Mr. Slocum and I hold receipts for the same.

SPECIAL SERVICE.

There has been received by the chief of police for special services of supernumerary policemen and paid over to the city treasurer the sum of $2,765.50.

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Revolver practice has been instituted in the department and a range built in the loft over the stables.

In my opinion the proper handling of the revolver is one of the things a policeman should thoroughly understand, and I think the practice will be of benefit to them.

The officers are also being instructed in the use of the riot guns recently purchased for the department, and which will prove efficient in case of serious trouble, such as a riot or mob.

The discipline of the force as a whole has been good, and to the officers and members of this department I wish to express my grateful thanks for their attention to duty and the assistance they have given me in all affairs pertaining to police business.

In closing I desire to thank the Mayor and the Board of Police Commissioners for the courtesy extended to me throughout the past year in all matters relative to the welfare of the Police Department, city of Hartford.

All of which is respectfully submitted. I have the honor to remain, Yours very truly,

WILLIAM F. GUNN,
Chief of Police.

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REPORT

OF THE

Board of Street Commissioners

FOR THE

Fifteen Months Ending March 31, 1906.

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STREET DEPARTMENT—1905-6

Board of Street Commissioners.

JOSEPH BUTHS,
JOHN W. COOGAN,
WILLIAM F. O'NEIL.
DWIGHT N. HEWES,
WILLIAM ANGUS,
FRANCIS R. COOLEY.

JOSEPH BUTHS, President.
DWIGHT N. HEWES, Vice-President.
GEORGE NEVERS, Clerk.
PHILIP HANSLING, JR., Supt. of Streets.

WILLIAM J. SHEEDY, Assistant Supt.
H. S. McKINNEY, Foreman of Street Cleaning.

WILLIAM BLEVINS, Foreman of Road Repairs and Steam Rollers.
THOMAS J. O'BRIEN, Foreman District No. 1.
JOHN M. HAYES, Foreman District No. 2.
WILLIAM J. NOONAN, Foreman District No. 3.
WILLIAM H. McLEAN, Foreman District No. 4.

ENGINEERING DEPARTMENT.

FREDERICK L. FORD, City Engineer.
ROSCOE N. CLARK, Assistant City Engineer.
HERBERT G. CLARK, Assistant Engineer on Park and Street Work.
JOHN P. MURPHY, Assistant Engineer on Curb and Sidewalk Construction.
PAUL SHELDON, Assistant Engineer on Bridge Work.

W. T. TAYLOR,
E. T. DUNCAN,
W. S. BREWER,
T. ROWLAND,
HARRY S. YOUNG,
FLORENCE L. CHAPIN.

ALBERT L. WASHBURN, Examiner of Assessment Titles.

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REPORT.

To the Honorable Court of Common Council:

In compliance with the Charter, the Board of Street Commissioners herewith report to your Honorable Court the receipts of all moneys and from what sources, and all expenditures and for what purposes, which have been received and expended by said Board during the year ending March 31, 1906, as follows, to wit:

The estimated and actual expenditures were as follows:

For what Purposes.	Appropriation.	Expended.	Balance unexpended.
Grading and turnpiking,	$27,836.53	$27,836.53	
Road building and repairs,	65,813.11	65,813.11	
Crosswalks,	2,950.50	2,950.50	
Bridges, culverts, and inlets,	9,531.30	9,531.30	
Sewer repairs,	5,394.34	5,394.34	
Street cleaning,	48,899.51	48,899.51	
Ashes and garbage,	37,033.00	36,508.50	$524.50
Engineering,	13,000.00	10,479.73	2,513.21
Office expenses,	3,200.00	3,017.54	189.52
Merestones,	1,371.60	994.89	376.71
Improved pavements,	7,000.00	6,286.48	713.52
Salaries of district foremen,	3,600.00	3,538.62	61.38
Storehouse, shop, and yard,	3,500.00	2,764.52	735.48
Dumping grounds,	2,225.00	2,209.25	15.75
Incidentals,	2,460.00	1,964.40	495.60
Sewer ventilation,	541.71	541.71	
Franklin Avenue sewer outlet,	1,850.40	1,850.40	
Salaries,	10,400.00	10,400.00	
Street lighting,	61,100.00	58,086.35	2,913.65
Total amounts,	$307,607.00	$299,067.68	$8,539.32

RECEIPTS AND EXPENDITURES.

Receipts.

From Treasurer on Auditor's orders:

April	1, 1905,	$500.00	April	25, 1905,	$5,815.35
"	3, "	8,082.00	May	1, "	349.99
"	18, "	4,873.77	"	2, "	5,055.96

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May	2,	1905,	$2,866.58	Nov.	2,	1905,	$6,535.95
"	9,	"	5,896.28	"	6,	"	2,866.58
"	15,	"	349.99	"	14,	"	9,258.69
"	17,	"	6,488.30	"	17,	"	349.99
"	23,	"	4,358.23	"	17,	"	3,921.77
June	1,	"	349.99	"	28,	"	1,208.15
"	2,	"	11,142.88	Dec.	1,	"	349.99
"	13,	"	9,216.23	"	1,	"	2,976.07
"	16,	"	349.99	"	4,	"	2,866.58
"	17,	"	7,490.49	"	12,	"	5,992.47
"	27,	"	3,287.74	"	15,	"	349.99
July	1,	"	849 99	"	18,	"	2,414.82
"	3,	"	11,420 90	"	27,	"	15.98
"	11,	"	6,456.79	Jan.	2,	1906,	849.99
"	17,	"	349.99	"	2,	"	5,122.77
"	18,	"	8,646 94	"	9,	"	6,617.36
Aug.	1,	"	349.99	"	16,	"	349.99
"	2,	"	8,695.94	"	17,	"	1,859.16
"	2,	"	3,223.58	"	23,	"	299.77
"	8,	"	11,123.72	Feb.	1,	"	349.99
"	16,	"	349.99	"	1,	"	2,166.35
"	17,	"	8,238.58	"	2,	"	2,866.58
Sept.	1,	"	349.99	"	14,	"	7,078.14
"	2,	"	11,822.29	"	16,	"	349.99
"	12,	"	18,184.41	"	16,	"	1,973.26
"	15,	"	349.99	"	27,	"	375.01
"	18,	"	7,804.71	March	1,	"	349.99
"	27,	"	4,885.93	"	1,	"	1,806.32
Oct.	2,	"	500.00	"	2,	"	2,866.64
"	2,	"	349.99	"	13,	"	5,660.99
"	2,	"	11,324.85	"	15,	"	350.23
"	10,	"	9,972.62	"	16,	"	2,347.76
"	16,	"	349.99	"	27,	"	188.85
"	16,	"	7,104.70				
"	24,	"	5,901.89				$298,367.70
Nov.	1,	"	349.99				

From sundry parties for street cleaning, sewer repairs, street repairs, material from quarry and incidentals, . . . 3,092.20

From State Highway Commissioner on good roads appropriation, Maple Avenue macadam, ... 332.67

$301,792.57

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Expenditures.

For purposes detailed in Appendix:

In April, 1905,	$19,271.12	Nov., 1905,	$24,491.12
May, "	25,365.33	Dec., "	14,965.90
June, "	31,837.32	Jan., 1906,	15,099.04
July, "	27,724.61	Feb., "	15,159.32
Aug., "	31,981.80	Mar., "	13,570.78
Sept., "	43,397.32		
Oct., "	35,504.04		$298,367.70
Paid to City Treasurer,			3,424.87
			$301,792.57
To the disbursements named above, viz:			298,367.70
Add payments made by Treasurer on account of salaries,			699.98
			$299,067.68
Deduct cash paid Treasurer,			3,424.87
Expended under regular appropriation,			$295,642.81

We submit the following itemized statement for the purpose of comparison, and to show where money has been expended during the past two years:

The gross sum expended in 1905-1906 was $299,067.68.

	1904	1905-6
Road making and repairs,	$109,731.51	$93,649.64
Sewer repairs,	4,811.12	5,394.34
Bridges, culverts, and inlets,	14,738.18	9,531.30
Sidewalks and crosswalks,	3,209.40	2,950.50
Removal of ashes and rubbish,	21,547.00	22,228.50
Removal of garbage,	14,280.00	14,280.00
Street cleaning,	48,121.02	48,899.51
Engineering,	12,444.73	10,479.73
Pumping works on dyke,	534.24	297.87
Expenses of storehouse, shop, and lot on Sheldon Street,	5,385.15	2,764.52
Office expenses,	3,092.36	3,017.51
Incidentals,	12.76	112.86
Miscellaneous by Treasurer,	10,400.00	699.98
For account of salaries,		9,700.02
Street signs and setting posts,	191.52	210.88
Tools, repairing tools and supplies,	840.52	348.41
Building fences,	186.32	

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Cutting and removing trees,	500.58	961.88
Salaries of district foremen,	3,600.00	3,538.62
Granite merestones and setting,	1,031.52	994.89
Dumping grounds and storage lots,	2,035.00	2,209.25
Sinking test pits,	63.10	32.50
Repairing improved paving,	7,075.10	6,286.48
Franklin Avenue sewer outlet,		1,850.40
Ventilating sewer manholes,	585.26	541.71
Street lighting,	58,991.55	58,086.35
	$323,407.94	$299,067.68

The streets upon which $400 or more was expended are the following:

MACADAMIZED.

Beacon Street,	$3,305.96	Hawthorn Street,	4,208.38
Bond Street,	6,275.27	Irving Street,	2,996.82
Flatbush Avenue,	6,527.53	Kibbe Street,	1,239.91
Franklin Avenue,	5,353.03	Lenox Place,	3,845.14
Greenfield Street,	3,480.58	West Street,	699.12

PAVED STREETS REPAIRED.

Asylum Street,	$686.01	Main Street,	2,414.36
Farmington Avenue,	879.91	State Street,	1,108.63

RESTONED AND REPAIRED.

Allen Place,	$1,736.46	John Street,	457.19
Blue Hills Avenue,	2,161.30	Laurel Street,	398.14
Brook Street,	1,454.41	Lincoln Street,	1,043.62
Collins Street,	786.97	Preston Street,	736.41
Forest Street,	1,351.11	Vine Street,	1,957.49
Front Street,	528.64	Warren Street,	443.91
Garden Street,	950.99	Windsor Avenue,	775.23
Girard Avenue,	747.69	Windsor Street,	535.23
Huntington Street,	1,448.12	Wyllys Street,	605.21

STREETS GRADED.

Allen Place,	$2,325.30	North Beacon Street,	1,406.22
Elizabeth Street,	1,317.05	School Street,	471.31
Elizabeth & Oxford Sts.,	1,917.26	Whitney Street,	5,541.11
Kenyon Street,	2,939.49		

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THE BOARD OF CONTRACT AND SUPPLY.

An amendment to the City Charter, creating a Board of Contract and Supply, was passed by the General Assembly of 1905. This Board being in doubt as to the letting of sewer contracts, asked the opinion of the Corporation Counsel. The opinion was in toto "so far as the actual letting of contracts is concerned, it should be done by the Board of Contract and Supply." The Board of Street Commissioners are acting in accordance therewith by referring all specifications to said Board of Contract and Supply for bids and award, and upon notification of the letting of contract, this Board orders execution of the same and supervision by the Engineering Department.

THE FOREST STREET DUMP.

Repeated complaints were made against the dumping of ashes, waste paper, etc., near Forest Street on the south side of Park River. This matter received careful consideration from the Board of Health and the Board of Street Commissioners, and under date of March 5, 1906, the contractor was permitted to continue depositing waste material on said dump under the following restrictions:

First: That a watchman or care-taker be placed at said dump so as to prevent store-keepers and others from depositing garbage and other offal at this point, and if any violations are found, to report the names to the Board of Health for prosecution; second: That in the event of any unsightly or objectionable matter being placed on said dump, that same will be immediately covered with fresh earth; third: That loose papers be gathered up and removed or covered with earth so that they will not be blown about by the wind or deposited in the river.

The City of Hartford by its Board of Street Commissioners has to provide places for the deposit of waste material, which is a difficult task, and it is hoped that under said restrictions as provided by both the Board of Health and the Board of Street Commissioners, complaints will be reduced to a minimum.

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EXCAVATION AND DEPOSITING OF BUILDING MATERIAL IN STREETS.

Complaints setting forth carelessness of contractors in not providing proper protection against damage to pedestrians while moving building material to and from buildings across sidewalks, or depositing the same in streets, being frequent, a subcommittee was appointed to consider the advisability of an ordinance concerning the subject jointly with the City Attorney. No final report has as yet been received by said Committee. Meanwhile, all care is taken by the Superintendent of Streets to suggest such rules as are necessary in each separate case to insure safety and least annoyance.

DISPOSAL OF SNOW BY THE CONSOLIDATED RAILWAY COMPANY.

The depositing of snow taken from the tracks of the Hartford Street Railway Company into the City streets and the tardy removal, or the spreading of the same, to make travel safe, brought numerous and justified complaints in the past, and this Department repeatedly urged a better service by said Railway Company in this regard, but did not obtain it. Therefore, in March, 1905, a committee endeavored to make an agreement with said Railroad Company, but were told that said Company had sold out to the New York, New Haven & Hartford Railroad Company. On October 11th, however, the winter season being at hand, the committee made a report that in their opinion the Railway Company, having 44 miles of single and double tracks in the streets, should clean one-fourth thereof, and assigning a number of streets mentioned in their report as the streets to be cleaned by said Company. Mr. Caum, acting manager of said Consolidated Railway Company, personally agreed to this tentative arrangement, until his Company could act on the agreement. Snow was removed the past winter in accordance with this agreement, and it is hoped that a permanent arrangement can be made, which will insure safety to the traveling public by the expeditious removal of snow.

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GARBAGE AND ASHES.

The removal of City refuse is done fairly satisfactorily. It is true, it could be improved by taking the ashes from the rear of buildings, thereby preventing the unsightliness of receptacles, which are left in the City streets, for some time during the day, but the increased cost has so far hindered the adoption of this plan. The present contract for the removal is for five years and will expire June 1, 1908.

REPAVING OF STREETS WITH IMPROVED PAVEMENT.

In 1895, the City of Hartford began laying improved pavement on business streets. The increase in mileage has been steady, so that today we have about nine miles of such streets. The cost up to January 1, 1905, has been $613,659.78, including the Street Railway Company's share.

Comparing the life of the different kinds of pavement from actual experience, we would say that the average life of block pavement is from 7 to 9 years, sheet asphalt from 10 to 12 years; granite block pavement, possibly 20 years. But little of the latter is laid in the City, as a rule. The driving public, as well as owners of property, do not want it on account of roughness and noise. The block asphalt disintegrates faster than sheet asphalt, and is more expensive; wood block pavement is not desired on account of its slipperiness in wet weather; brick once laid on Pratt Street was not considered a success. Sheet asphalt has been found to be the best as far as known, although not free from criticism. Having started eleven years ago with this work, it becomes necessary now to renew some pavements from now on at an average expense of about 60-80 per cent. of the original cost, which would call for an appropriation of about $24,000 annually and continually in order to distribute cost proportionately to prevent an excessive annual appropriation. We have asked this year for $20,000 to pave Asylum Street. An appropriation was not made, but should be from some source, that the Street might be paved in the fall, after the question of rail is decided. The Board will communicate with your Honorable Court on this

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matter later. Ford Street, Central Row, and State Street pavements should receive attention next year. Main Street, Windsor Avenue, Farmington and Capitol Avenues will be repaired and kept in condition until renewals become necessary. The macadam streets will be properly cared for and improved.

STREET FLUSHING.

In a recently submitted report, the Superintendent of Streets advises, in order to ascertain certain data for a better service in removing dust from City streets, a trial of the flushing process. The Board of Street Commissioners adopted the suggestion and has asked and had appropriated $500 for the purpose. We expect to have this flushing done on Main Street near the department stores where many people congregate. It is to be done by pouring a stream of water through a pipe from a watering cart at an angle of 45 degrees forward and pushing the water by the aid of refuse brooms toward the gutters and into catch basins. These catch basins are then cleaned frequently. A cart with a patent contrivance could be secured at an extra expense of $6 per day, but it was not thought advisable to use one at present. Some other cities clean partly by the method of flushing, others have abandoned it after trial, as a failure; nevertheless, it is worth a trial here. So far, no method is known which enables one to keep streets clean of fine dust. The best work is, however, done by our old suction sweeper, which we will install again the coming summer.

CLEANING OF STREETS IN GENERAL.

Opinions are expressed from time to time about the untidy conditions of certain sections of streets. Complaints, when made, receive immediate attention. In some instances they are justified, in others they are not; often it is lack of knowledge of the conditions on the part of the complainant, or complaints are made for certain other reasons not entirely in keeping with a desire to assist the Street Department in this work. This department solicits just criticism. It must, however, be considered that, for instance, clean streets in macadam in the spring cannot be expected at once. The frost, slowly disappearing, brings moisture

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to the surface, which, united with the topdressing, is turned quickly into mud by continued traffic, making a thick paste, and a street looks decidedly unclean. We have in mind the condition of Front Street in particular. To draw off the mud while the frost is coming from the ground, would lay bare the macadam, only to be disturbed by traffic to the detriment of the binding and, consequently, of the whole street. It is advisable to wait until the condition of the macadam is in a normal state again, before removing the mud, when a topdressing of fine stone is put in its place. Requests have also come to clean streets in the lower part of the City more frequently, which would mean every day. The finances of the City do not permit such frequency of cleaning, but such streets are cleaned three times a week in summer time. Cleaning of improved pavement is constant by the use of brooms, scrapers, and revolving hand-machines in the daytime, and the use of the rotary and suction sweeper at night. Macadam streets are cleaned on an average of twice a month, besides, four men are constantly at work traveling through these streets picking up all kinds of waste thrown on the highway as paper, peels, milk bottles, barrel-hoops, etc. Reasonable people pronounce the cleaning service in the city good; many visitors voluntarily speak of it favorably. The Superintendent is vigilant in improving the service, but perfection, we are afraid, will never come.

ELECTRIC LIGHTS.

Two years ago the Board of Street Commissioners entered into a new contract with the Hartford Electric Light Company for the lighting of city streets at a cost of $70 per arc lamp per annum, burning all night and every night. The lamps are of a candle power obtained when the electric current furnished is never less than 6¼ amperes and the potential fall or electric pressure for each lamp is not less than 55 volts. In the underground system, the proportion of power is 3¾ amperes and 110 volts for each lamp. The city under the contract guarantees to use 750 arc lamps.

The Electric Light Company also introduced a less powerful lamp, called a double series lamp, at the price of $18 per year.

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These lamps give a good light and are preferable on streets where the foliage on trees prevents a uniform diffusion of an arc light. They are also desirable where some light is needed, but where the placing of an arc lamp would be considered a waste of money. The service of the Electric Light Company has been satisfactory. There were in use on April 1, 1905, 805 arc lamps and 33 series lamps. During the year there were added 16 arc lamps and 27 twin series lamps, making a total of 820 arc lamps and 60 twin series lamps. There are also in use on the Ford Street Bridge thirty 25-candle-power lamps. The total cost for 1905-06 was $58,086.35. The contract with the Hartford Electric Light Company is for five years and expires April 1, 1909.

TEE OR GROOVED RAILS IN CITY STREETS.

Upon the request of the officials of the Consolidated Railway Company, several meetings were held between them, the Joint Standing Committee on Railroads, and the Board of Street Commissioners. The railway officials asked for a substitution of Tee rails for grooved rails, contending that in all events a track in a city street is a nuisance, but a necessary evil, that a grooved rail is an element of danger in operating cars, that other forms of construction are better for the purpose of preserving the surface of streets, that a Tee rail is the proper rail to permit of rapid transit from steam road tracks to city streets and back again and that they therefore asked for the adoption of this rail. The city officials contended in the line of the investigation made by City Engineer Ford that Tee rails are dangerous, because no pavement can be laid that will stand up by itself without some backing of substantial material like iron, that if a Tee rail is used, all pavements, including granite, will wear so rapidly, that ruts are made at the inside of rail, which will cause danger to life and limb and be a constant source of annoyance; that owing to the use of the M. C. B. flange, the groove between a common pavement and a Tee rail would be so wide that it would be uncomfortable to cross tracks with vehicles of all kinds. Subsequently, a full report was made to your Honorable Court and a resolution that in your opinion the substitution of Tee rail should

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not be granted, was passed, as we understand it, unanimously. This Board has since had a further communication from Mr. Townley, first vice-president of the Consolidated Railway Company, requesting the consideration, and eventually, selection of a grooved rail, better than the one now in use. As our citizens very much desire further improved railway service, we believe that an improved grooved rail could be designed, acceptable both to the Railway Company and the City. New rails will soon be required for the double tracking of New Britain Avenue, Broad Street and in other places and we shall endeavor to make a report on the request of the officials of the Railway Company as soon as your Joint Standing Committee on Railroads is appointed and ready to deliberate with this Board and the representatives of the Consolidated Railway Company.

BROAD STREET DOUBLE TRACKING.

The Committee on Railroads jointly with the Board of Street Commissioners gave on November 15, 1905, a hearing to the representatives of the Consolidated Railway Company on the double tracking of Broad Street and the laying of a new line of track from Park Street northerly to Farmington Avenue; also on the petition for the extension of turnout on Morgan Street, and held on November 22, 1905, a public hearing as required by law. On November 29, 1905, said Joint Committee met with the officials of the Consolidated Railway Company and the Corporation Counsel, Mr. Shipman, and after further deliberation, and upon the latter's advice, a report was made to your Honorable Court recommending the passage of the following resolution:

RESOLVED, That in view of the claims of the Consolidated Railway Company, as stated in its application for extension of track in Morgan and Broad Streets, viz.: that such company has the right to locate and operate tracks in such streets irrespective of the consent of the Council as provided by the amendment to the charter of the Hartford & Wethersfield Horse Railway Company of 1862, and on the opinion of the Corporation Counsel referred to in the foregoing report, the applicant be given leave to withdraw both applications. No further consideration has since been given this matter.

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WIRES UNDERGROUND.

In the year 1893, agitation arose over putting overhead wires underground and an amendment to the City Charter was obtained from the General Assembly of the State giving the City the power to order underground wires in streets within a radius of one-half mile from the center of the city hall, due west, south and north within a period of ten years. In 1905, the right to order wires underground throughout the city without limitation became absolute. During last year, the Board of Street Commissioners took up the matter anew and in consequence received an exhaustive report from the City Engineer, who had previously investigated the subject in other cities. The conclusions were as follows: That the City should insist upon placing all wires underground, partly on account of danger and partly on account of unsightliness; that, owing to great expense, work in this direction should be slow; that the City order streets cleared from overhead wires within the half mile limit, as above mentioned; that thereafter the work be pushed systematically.

In a recent secondary report upon the subject as to wires in said half mile limit, the engineer sets forth that only four streets within said limit are entirely free from wires, in violation of the City ordinances. The Board of Street Commissioners has since ordered the removal of all wires except the overhead trolley and trolley span wires. Meanwhile it would be advisable that your Honorable Court adopt an amendment to the ordinances to enable the Board of Street Commissioners to carry on this work of the removal of overhead wires beyond the half mile limit. The Southern New England Telephone Company and the Hartford Electric Light Company have placed many of their wires underground outside of the half mile limit and are continuing the practice, and, therefore, it should not be difficult to get the co-operation of all companies having wires in this City. Much, however, remains to be done, and it may be many years before this work is completed, owing to the expense, in which the City as a whole will have to share, for to carry all wires to the many electric light poles is costly, and the increase in the cost of the individual lamps might be not far from 20 per cent.

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GRADE CROSSINGS.

This subject received consideration for a number of years without any apparent results, the Engineering Department being unable to deal with the numerous crossings at grade, partly on account of labor in other lines, and partly on account of the difficulties met with, attributed to peculiar conditions. The City Engineer in January last made a report of progress on the following crossings: Albany Avenue, Avon, Flower, Garden, Hamilton, Sigourney and Walnut Streets. Since then, your Honorable Court has taken the initiative in requesting the abolition of the grade crossing at Walnut Street. The City Engineer prepared plans, which were considered sufficient to bring with an application for the abolition of the crossing to the Railroad Commissioners of the State for consideration, to which application the representatives of the New York, New Haven & Hartford Railroad Company apparently were not opposed.

A part of the Highway called Albany Avenue was changed and a bridge across the tracks of the Central New England Railway Company was designed, approved, and now is in process of erection. A good beginning is made and a suggestion to eliminate one crossing a year might be in order. There are eight more crossings at grade in this City.

IMPROVEMENTS ON ALBANY AVENUE.

Pursuant to an application of the Keney Park Trustees to eliminate the grade crossing on Albany Avenue, and in connection therewith to change a part of the highway called Albany Avenue, which change also necessitates the building of a bridge across the so-called Little River, the Board of Street Commissioners, after careful consideration of the subject, recommended to your Honorable Court a new layout and an appropriation of $20,000 in January, 1905. Said appropriation was voted in the spring election, the layout completed and a contract entered into with the Central New England Railway Company, which contract was also approved by your Honorable Court. In accordance therewith, the City of Hartford pays one-half of cost and said Railway Company one-half of the construction of the railroad

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bridge, the approaches to the bridge, the leveling of tracks, etc. Said layout received the approval of the Board of Railroad Commissioners, providing for 20-foot head-room, and the contract was awarded to the lowest bidder, The Berlin Construction Company, for $6,640, for the superstructure, and to the lowest bidder, F. Pidgeon, of Saugerties, New York, for the grading of the highway for $10.469, and for substructure, to the lowest bidder, The George M. Atkins Company, of Palmer, Mass., for $11,450, adding additional cost, caused by the changes in the head-room from 18 to 20 feet, at an increase of $4,918.00, which additional cost is to be borne by the Railroad Company and City proportionately in accordance with a special agreement. The work was started September 16, 1905, and progressed until November 14, 1905, when the party, Pidgeon, having the grading contract, went into bankruptcy and this work ceased temporarily. After consultation between the Contract and Supply Committee, headed by his Honor, the Mayor, and the Fidelity Company, of Maryland, which had furnished a bond for $5,000 for the faithful performance of the work by said Pidgeon, new bids were called for, and the unfinished work awarded to Richards & Gaston, the lowest bidders, for $19,096.00. This new bid was in excess of the bid of Pidgeon to the amount of $6,700.00, and the Fidelity Company of Maryland paid over to the City the amount of the bond, to wit: $5,000, at once, upon their own volition. Thereupon, the new contractor continued the work. The work is progressing satisfactorily and will be completed in due time. When work is completed a final adjustment as to expense will be made with the Railroad Company, a temporary difference of opinion between the officials of the Railroad Company and those of the City having arisen, owing to the increase in amount of first and second bid for grading of Albany Avenue. The question of liability with reference to the additional cost was left for future settlement, supposed to be about $1,700. This improvement will be of importance to the City at large, and it was brought about and expedited by the willingness on the part of the Messrs. Goodwin to exchange lands without special pecuniary considerations.

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LORRAINE STREET

The continued settling of a part of Lorraine street in a sloping direction has been causing annoyance and great expense. In order to remedy this permanently, this Board finally asked an opinion from two expert engineers. Their report recommended the proper draining of the street slopes, the shifting of the river at front of slope 150 feet easterly and weighting base of slope. To carry out these suggestions, an attempt was made to make a layout of a new course of a part of Little River, and the discontinuance of the present course, but it met with objections on the part of owners of the property to be taken, and would have been quite expensive. It was, therefore, decided to drain Lorraine Street along sewer and across street to low land, in accordance with the first recommendation of the experts. The sewer was built during the summer of 1905 and so far the street has not shown any further signs of settling or sliding.

CONNECTICUT RIVER BRIDGE AND HIGHWAY DISTRICT APPROACHES.

In April, 1905, the question arose of the control of the approaches to the new Connecticut River Bridge, especially with reference to a new layout, and the consequent damages to adjoining properties. Mr. Arthur L. Shipman, Corporation Counsel, in an exhaustive report under date of April 20, 1905, advised that in order to avoid litigation, the General Assembly should be asked for clarifying legislation. A petition was brought to the General Assembly and an amendment to the law concerning this subject was obtained. No further request has as yet been made by the Bridge Commission with reference to the layout. Unless said Commission intends to avoid a layout which would cause damages, it is the opinion of this Board that steps should soon be taken to act on a layout, so that any appeals from the award of damages and the assessment of betterments could be passed upon by the proper court soon enough, so as not to delay the completion of the approaches.

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INTERCEPTING SEWER EXPLOSIONS.

On October 26, 1905, an explosion in the intercepting sewer occurred, breaking six manhole covers and some panes of glass in adjacent houses. In accordance with the investigation by the Superintendent and his assistant, this explosion was attributed to the discharging of gasoline (although in small quantities) into the sewer by owners of property, and to ignition in some unaccountable manner. To forestall or lessen similar occurrences, we recommended an ordinance prohibiting the discharge of volatile inflammable liquids into sewers and your Honorable Court passed said ordinance.

SEWERS IN WETHERSFIELD.

Property owners at the southerly end of the City petitioned in September, 1905, for a sewer in Victoria Road. This sewer, while entirely located in Hartford when built, was asked for, for the consequent purpose of draining property in Wethersfield. A reference of this petition jointly with a petition of the Selectmen of the Town of Wethersfield to connect with certain City sewer outlets in Wethersfield to the City Engineer, elicited a report of the Engineer, giving as his opinion that the development of a drainage system in Wethersfield should receive careful investigation, which we would make with a view to take joint action in a comprehensive way, leading to permanency. Some of our sewers are located in Wethersfield, and it is only fair that the City of Hartford and the Town of Wethersfield should agree on a sewer system to be developed from time to time. A report on such a system will be made after consultation has been had with officials of the Town of Wethersfield, so that an arrangement beneficial to both towns can be brought about.

WINDSOR AVENUE SEWER SYSTEM.

Some five years ago a petition was brought by residents of the northern section of the City for a layout of Windsor Street extension and the building of sewers. Your Honorable Court subsequently acted on the layout of Windsor Street extension and

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after the appeals from the assessments were decided by the Superior Court, the layout became final. No action was taken on the layout of the sewer petitioned for. When in 1903 the necessity for the building of a part of the sewer system in that section became apparent, the Superior Court having awarded damages to certain residents for polluting a brook, and ordered the nuisance abated, the matter was again taken up, considered and opposed at first on account of expense, but finally ordered. The City at large by vote agreed to pay for a part of this system as an interceptor. The sewerage proper is taken care of in this system, but the question of surface drainage will come up later, and must be dealt with separately, owing to the peculiar topography of the section.

ASYLUM STREET SEWER.

Complaints being frequent, caused by the flooding of cellars in two places north of Asylum Street, during heavy rainfalls, the Board of Street Commissioners finally voted to build a new sewer in Asylum Street for the purpose in part of taking the water from a sewer across private lands, built in 1845. The publication of this action elicited a strong remonstrance from property owners along Asylum Street, who claimed that they had no trouble in their buildings and that a new sewer was unnecessary. The Board of Street Commissioners thereupon concluded that the setback of water into the cellars of the claimants for damages could only be local and should be remedied by said claimants. Nevertheless, this board has instructed the Superintendent of Streets and the City Engineer to repair a part of the old sewer across private lands (if it was found necessary) the coming summer. The Asylum Street sewer is evidently ample and should it ever be necessary to build a new sewer in place of the 1845 sewer, such a one should go through Allyn and Church Streets, and the old one across private land should then be taken up.

SEWER IN SOUTHWESTERN SECTION.

The Board of Health in May last called attention to the necessity of sewer facilities for the so-called Melrose tract, which

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is situated south of New Britain Avenue and west of Newington road. To comply with this request, the interceptor from its present terminus must be extended about 1,000 feet in New Britain Avenue. This part of the interceptor will provide an outlet for a part of the West Hartford sewerage. A petition from West Hartford was considered, reconsidered, and finally granted by your Honorable Court. Bids were recently asked for and the contract let. The completion of this sewer will answer a long-felt want and will drain the Melrose tract also. The cost of this extension of the interceptor will be borne by West Hartford. Contrary to expectation, this interceptor will cost about $7,000 as against a $12,000 estimate.

EAST SIDE SEWER PROBLEM.

The low land lying east of Market Street suffers from inundation whenever the Connecticut River rises to a level of more than 25 feet. This ordinarily occurs once a year. On account of it, sewerage sets back into cellars and more or less of it remains after the river recedes, creating an unhealthy condition. Efforts have been made from time to time to provide for remedies, but without success. The raising of the whole section of the City inundated was suggested as a remedy but failed on account of the immense expense involved. Some time ago this trouble received attention and the City Engineer was requested to investigate and report on the most feasible plan for a remedy. From a general study of this problem, without going into detail, the Engineer is of the opinion that an interceptor paralleling the Connecticut River will have to be built with gates at the outlet and a pumping plant to lift the sewage and surface water during storms. Funds for carrying on further work in the development of this system were lacking, when the matter was taken up by your Honorable Board. The City Engineer, by vote of your Honorable Board, was asked to consider the subject and make investigations in other cities, situated like Hartford, and you provided $1,000 for detail work. He continues his work and will soon be able to submit a plan which we hope can be adopted. It may be necessary to build a part of this interceptor below the new approach

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to the new bridge, and if so, some early action by your Honorable Court may be required, in order to lessen the cost of an undertaking as contemplated. The Engineer is as expeditious as the magnitude of the work will permit.

ELIZABETH PARK SEWER SYSTEM.

In the west part of the City the district east of Elizabeth Park is awaiting drainage. Plans have been devised. The laying out of this system is retarded, however, by a demand from people in West Hartford for the privilege to enter this system. We believe that the City should concede the right to West Hartford to enter this sewer for the purpose of self-protection, which means the prevention of establishing filter-beds by West Hartford in the vicinity of Elizabeth Park. This matter will be brought to your attention soon.

IN GENERAL.

In general, we are pleased to say that the business entrusted to the care of the Board of Street Commissioners, has been conducted in a business-like and systematic manner and credit is due to the City Engineer, the Superintendent of Streets, and the Clerk of the Board of Street Commissioners, who have in their employ help which can be relied upon.

JOSEPH BUTHS,
DWIGHT N. HEWES,
JOHN W. COOGAN,
WILLIAM ANGUS,
WILLIAM F. O'NEIL,
FRANCIS R. COOLEY,
Board of Street Commissioners.

HARTFORD, CONN., April 16, 1906.

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APPENDIX 1905–1906.

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GENERAL ACCOUNT.

Grading, Turnpiking, and Repairs:

For expense of general superintendence,	$1,800.00	
grading streets, as per table No. 1,	24,114.62	
tools and supplies,	179.10	
turnpiking streets, as per table No. 2,	1,722.74	
repairing scraper, tools, etc.,	20.07	
cost of street repairs, District No. 1, as per table No. 3,	1,613.42	
cost of street repairs, District No. 2, as per table No. 4,	1,072.45	
cost of street repairs, District No. 3, as per table No. 5,	1,656.12	
cost of street repairs, District No. 4, as per table No. 6,	2,054.40	
cost of repairs to improved street pavements, as per table No. 7,	6,286.48	$40,519.40

Macadamizing Streets:

For salary of foreman of macadamizing and steam rollers,	$996.64	
cost of 30,117.7 cubic yards of stone purchased,	36,529.51	
cost of carting stone purchased,	8,058.60	
cost of breaking and spreading stone on streets macadamized, restoned and repaired and for water,	6,238.14	
paid for tools,	21.01	$51.843.90

Steam Rollers:

Roller No. 1, run 103 days:		
For wages of engineer, firemen, and tenders,	$688.73	
38,000 pounds of coal,	95.00	
3½ cords of wood,	31.50	
labor and materials repairing,	47.13	
tools, oils, and supplies,	19.44	
water used, $7.59; insurance, $40.00,	47.59	$929.39

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Roller No. 2, run 177 days:		
For wages of engineer, firemen, and tenders,	$1,192.71	
84,150 pounds of coal, ...	211.73	
9 cords of wood, ...	81.67	
labor and materials repairing, . . .	173.43	
tools, oils, and supplies, ...	18.00	
water used, $13.04; insurance, $40.00, .	53.04	$1,730.58
Roller No. 3, run 179 days:		
For wages of engineer, firemen, and tenders,	$1,165.79	
103,500 pounds of coal, ...	261.74	
10 cords of wood, ...	86.18	
labor and materials repairing, . . .	208.19	
tools, oils, and supplies, ...	25.79	
water used, $13.19; insurance, $40.00, .	53.19	$1,800.88
Roller No. 4, run 183 days:		
For wages of engineer, firemen, and tenders,	$1,144.25	
69,500 pounds of coal, ...	174.76	
7½ cords of wood, ...	68.18	
labor and materials repairing, . .	29.72	
tools, oils, and supplies, ...	17.45	
water used, $13.48; insurance, $40.00, .	53.48	$1,487.84
Roller No. 5, run 183 days:		
For wages of engineer, firemen, and tenders,	$1,151.38	
80,000 pounds of coal, ...	201.85	
9½ cords of wood, ...	86.18	
labor and materials repairing, . . .	90.47	
tools, oils, and supplies, ...	19.80	
water used, $11.12; insurance, $40.00, .	51.12	$1,600.80
painting and lettering supply wagon, $18.00; repairing Balf Co. roller, $5.33, ...		23.33
Sidewalks and Crosswalks:		
For expense of laying walks, curb, and gutter stones, as per table No. 10, . . .	$192.33	
expense of laying 19 new crosswalks, as per table No. 11, ...	945.25	
expense of repairing 160 old crosswalks, as per table No. 12, ...	1,083.92	
wages of inspectors, ...	729.00	$2,950.50
Sewer Repairs:		
For cost of labor and materials used in repairing 92 sewers as per table No. 13,	$4,150.73	

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paid inspector of sewers, ...	628.00	
manhole covers, $318.00; new hose, $154.75; stone, $28.87, and brick, $33.75, ...	535.37	
rubber boots, rope, use of hose, etc., .	80.24	$5,394.34

Bridge Repairs:

For cost of labor and materials, repairing 10 bridges, as per table No. 14, . .		$870.39

Culverts and Sewer Inlets:

For cost of building 7 new culverts, as per table No. 15, ...	$489.33	
2 culverts repaired, as per table No. 16,	26.85	
cost of constructing 55 new sewer inlets, as per table, No. 17, ...	3,684.76	
cost of repairing 131 old sewer inlets, as per table No. 18, ...	1,893.45	
cost of labor cleaning sewer inlets, .	2,566.52	$8,660.91

Street Cleaning:

For cost of cleaning paved streets, as per table No. 19, ...	$26,108.69	
cost of removing snow, ...	4,479.94	
collecting and removing papers, etc., .	46.57	
cost of maintenance of steam street sweeper repairs, tools, oils, and supplies, ...	277.33	
46,000 pounds of coal, ...	145.55	
5 cords of wood, ...	37.80	
insurance, ...	40.00	
water, ...	11.84	
repairs on street cleaning carts, . .	261.48	
repairs and supplies for rotary, . .	229.60	
repairs hand sweepers, ...	10.68	
7 new hand sweepers, ...	343.00	
repairs on push carts, ...	48.45	
repairs on street sprinkler, . . .	76.86	
repairs on walk-aways, ...	1.66	
50 new scrapers, $30.00 repairing scrapers, $15.00, ...	45.00	
tools and supplies, ...	122.82	
200 push brooms, $103.45; baskets, $7.50,	110.95	
582 burlap bags, ...	53.24	

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13 waste cans,	41.35	
33 yards of sand,	21.45	
incidentals,	25.50	$32,539.76

Street Cleaning by Districts:

No. 1 — cleaning gutters,	$3,208.29	
removing snow,	321.59	
collecting papers and refuse,	409.20	
cutting grass and weeds,	69.00	
No. 2 — cleaning gutters,	3,315.22	
removing snow,	767.61	
collecting papers and refuse,	375.40	
cutting grass and weeds,	50.20	
No. 3 — cleaning gutters,	3,487.87	
removing snow,	406.82	
collecting papers and refuse,	453.60	
cutting grass and weeds,	61.20	
No. 4 — cleaning gutters,	2,734.83	
removing snow,	235.52	
collecting papers and refuse,	398.00	
cutting grass and weeds,	65.40	$16,359.75

Ashes and Garbage Removed:

For cost of removing ashes and rubbish, as per contract,	$21,547.00	
cost of removing garbage, as per contract (see table No. 20),	14,280.00	
cost of inspectors,	120.00	
labor spreading ashes at dump,	561.50	$36,508.50

Engineering:

For salaries of engineer, assistant engineer, rodmen, and stenographer,	$9,018.37	
car fares and expenses of engineer and rodmen,	374.52	
tools, repairs, and supplies,	119.66	
printing, paper, and stationery,	511.69	
furniture,	30.75	
rent of telephones,	96.35	
7,095 wooden stakes and wedges,	176.93	
traveling expenses of engineer,	99.46	
work on sewers in Pequot and School Streets,	52.00	$10,479.73

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Office Expenses:

For paid for clerk hire,	$1,282.30	
paid for stenographer,	705.00	
supplies for typewriter,	44.60	
printing, stationery, and supplies,	395.97	
rent of telephones,	141.46	
postage, telegrams, etc.,	193.84	
expense of printing the annual report,	231.30	
traveling expenses of superintendent,	17.67	
cost of tools,	5.40	$3,017.54

Sewer Ventilating:

For building sewer ventilating manholes (see table No. 22),	$541.71

Public Lamps:

For street lighting (see table No. 23),	$58,086.35

Salary Account:

For salaries of board, superintendent, clerk, and city engineer,	$10,400.00

Franklin Avenue Sewer:

For extending outlet in Connecticut River,	$1,850.40

Incidentals:

For salaries of district foremen,	$3,538.62	
expense of shop, storehouse, and storage yard,	2,764.52	
tools and supplies,	348.41	
street signs and posts,	210.88	
dike sewer pump, labor and supplies,	297.87	
cutting and trimming trees,	961.88	
paid second instalment on dumping grounds,	2,000.00	
taxes $78.00, and interest $131.25 on dumping grounds,	209.25	
rent of storage lots,	30.00	
digging test pits,	32.50	
merestones and setting,	994.89	
quarry for water and cleaning,	67.86	
advertising in Engineering Record,	15.00	$11,471.68
		$299,067.68

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TABLE No. 1. STREETS GRADED.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Albany Avenue,	$ 41.19	Kibbe Street,	$ 148.89
Albany Avenue opp. Lenox Place,	46.57	Kenyon Street,	2,939.49
Allen Place,	2,325.30	Lenox Place,	397.51
Beacon Street (south),	320.49	Maple and Retreat Avenues, at junction,	130.20
Bond Street,	1,443.86	North Beacon Street,	1,406.22
Elizabeth Street,	1,317.05	Putnam Heights,	286.84
Elizabeth and Oxford Streets,	1,917.26	School Street,	471.31
Flatbush Avenue,	3,397.84	West Street,	212.52
Franklin Avenue,	787.56	Whitney Street,	5,541.11
Greenfield Street,	351.50	Tools and Supplies,	179.10
Hawthorn Street,	247.27		
Irving Street,	384.64		$24,293.72

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TABLE No. 2. STREETS TURNPIKED.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Allen Place,	$ 5.37	Frankfort Street,	$ 36.24
Arbor Street,	6.71	Franklin Avenue,	10.74
Ashton Street,	10.74	Freeman Street,	12.08
Ashton Terrace,	5.37	George Street,	12.08
Asylum Avenue,	24.16	Gilman Street,	12.08
Bartholomew Avenue,	6.71	Girard Avenue,	24.16
Belmont Street,	12.08	Glendale Avenue,	24.16
Blue Hills Avenue,	24.16	Grace Street,	6.71
Bodwell Street,	16.11	Greenfield Street,	24.16
Bonner Street,	29.53	Harbison Avenue,	12.08
Boulevard,	20.13	Harper Street,	5.37
Broad Street, south of New Britain Avenue,	28.18	Harvard Street,	18.79
Brownell Avenue,	24.16	Hendricksen Avenue,	6.71
Camp Field Avenue,	6.71	Hillside Avenue,	72.48
Capitol Avenue, west of Smith Street,	16.11	Holcombe Street,	12.08
Carpenter Street,	5.37	Huyshope Avenue,	20.13
Chadwick Avenue,	12.08	James Street,	12.08
Charlotte Street,	12.08	Judson Street,	6.71
Curcombe Street,	8.05	Kibbe Street,	6.71
Dewey Avenue,	12.08	Love Lane,	18.80
Fern Street,	29.53	Madison Avenue,	10.74
Flatbush Avenue,	96.64	Maple Avenue,	30.87
Francis Court,	10.74	Martin Street,	5.37

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TABLE No. 2. — CONTINUED.

STREETS TURNPIKED.

NAME OF STREET.	COST.
Mather Street,	$ 18.79
Masseek Street,	5.37
Meadow Street,	5.37
Merrill Street,	12.08
Mountain Street,	24.16
Nelson Street,	6.71
Newfield Avenue,	71.13
New Britain Avenue,	29.53
North Beacon Street,	17.45
Olive Street,	5.37
Orange Street,	12.08
Pope Park Highway,	36.24
Preston Street,	24.16
Prospect Avenue,	36.24
Putnam Heights,	18.79
Risley Street,	6.70
Rose Street,	5.37
Russ Street,	12.08
Sequassen Street,	6.71
Scarborough Street,	42.95
South Street,	25.50
Steadman Street,	$ 5.37
Summit Street,	6.71
Tower Avenue,	120.80
Van Block Avenue,	24.16
Ward Place,	9.40
Warrenton Avenue,	12.08
Wawarme Avenue,	12.08
Waverly Avenue,	5.37
Wehasset Street,	12.08
Wellington Avenue,	6.71
Westland Street,	12.08
White Street,	53.92
Whitney Street,	17.45
Wilson Street,	72.48
Windsor Avenue, north of Westland Street,	65.77
Woodland Street,	39.37
	$1,722.74
Repairing scraper, tools, etc.,	20.07
	$1,742.81

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TABLE No. 3. STREETS REPAIRED.— DISTRICT No. 1.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Adelaide Street,	$ 1.18	Grove Street,	$ 102.14
Asylum Street,	5.96	Hicks Street,	5.50
Alden Street,	7 27	High Street,	1.94
Annawan Street,	5.50	Hudson Street,	2.94
Arch Street,	86.34	Huyshope Avenue,	37.89
Barnard Street,	5.50	Jefferson Street,	16.11
Benton Street,	3.05	Jewell Street,	54.28
Bodwell Street,	1.77	John Street,	15.24
Bond Street,	1.18	Linden Place,	5.50
Buckingham Street,	29.34	Maple Avenue,	97.75
Capitol Avenue,	79.93	Main Street,	18.47
Cedar Street,	41.77	McKinley Street,	6.67
Charter Oak Avenue,	47.31	Morris Street,	1.77
Charter Oak Place,	4.28	Park Street,	98.77
Clinton Street,	1.18	Pawtucket Street,	5.50
Commerce Street,	25.01	Potter Street,	5.50
Congress Street,	7.27	Preston Street,	29.27
Curcombe Street,	5.50	Prospect Street,	23.84
Elm Street,	28.61	Retreat Avenue,	51.27
Elliott Street,	6.29	Roosevelt Street,	5.50
Franklin Avenue,	42.27	Seymour Street,	1.94
Front Street,	119.42	Sheldon Street,	29.19
Governor Street,	11.00	Shultas Place,	22.00

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TABLE No. 3. — CONTINUED. STREETS REPAIRED. — DISTRICT No. 1.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
South Ann Street,	$ 2.35	Wells Street,	$ 117.89
South Hudson Street,	1.77	West Street,	23.61
State Street,	23.83	Wethersfield Avenue,	181.06
Standish Street,	9.60	Winship Street,	3.23
Trumbull Street,	28.04	Wyllys Street,	12.22
Wadsworth Street,	3.91		$1,613.42

District No. 1 is bounded on the north by State Street and Asylum Street; on the west by Ford, Trinity, Washington, Webster Streets and Maple Avenue; south by City Line; east by the Connecticut River.

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TABLE No. 4. STREETS REPAIRED. — DISTRICT No. 2.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Ann Street,	$ 25.66	Loomis Street,	$ 4.27
Avon Street,	15.21	Love Lane,	18.22
Barbour Street,	22.71	Market Street,	98.53
Bellevue Street,	30.17	Martin Street,	2.84
Blue Hills Avenue,	17.15	Morgan Street,	78.22
Canton Street,	38.82	North Street,	3.66
Chapel Street,	10.99	Pavilion Street,	2.39
Charles Street,	17.72	Pleasant Street,	59.23
Charlotte Street,	14.60	Portland Street,	1.99
Church Street,	35.46	Russell Street,	22.01
Commerce Street,	12.21	Sanford Street,	4.89
Ely Street,	6.71	Shay's Gangway,	18.95
Ferry Street,	11.00	State Street,	16.13
Frankfort Street,	5.50	Suffield Street,	8.56
Front Street,	127.83	Talcott Street,	18.33
Goodman Place,	14.81	Temple Street,	11.01
Goowin Street,	10.38	Warren Street,	10.39
Harper Street,	1.22	Water Street,	17.83
Holcomb Street,	3.05	Westland Street,	78.97
Kennedy Street,	7.33		
Kilbourne Street,	11.61		

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TABLE No. 4. — CONTINUED. STREETS REPAIRED. — DISTRICT No. 2.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Windsor Avenue,	$40.78	Wooster Street,	$33.71
Windsor Street,	77.11		
Winthrop Street,	4.29		$1,072.45

District No. 2 is bounded on the north by Windsor Line; on the east by the Connecticut River; on the west by High Street; Windsor Avenue to Westland Street; Westland Street to Vine Street; Vine Street to Holcomb Street; Holcomb Street to Blue Hills Avenue; on the south by State and Asylum Streets to High Street.

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TABLE No. 5. STREETS REPAIRED.— DISTRICT No. 3.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Allen Place,	$ 38.88	Grand Street,	$ 13.45
Amity Street,	.56	Greenwood Street,	.56
Ashton Street,	1.17	Hamilton Street,	13.28
Babcock Street,	10.39	Hawthorn Street,	43.45
Bartholomew Avenue,	2.61	Harbison Avenue,	3.67
Beacon Street,	23.72	Hazel Street,	1.22
Belmont Street,	2.17	Heath Street,	2.89
Bonner Street,	7.33	Hillside Avenue,	25.31
Boulevard,	45.13	Howard Street,	1.84
Broad Street,	110.03	Hungerford Street,	5.50
Capitol Avenue,	81.02	Hurlburt Street,	2.44
Chadwick Avenue,	.78	Imlay Street,	32.84
Evergreen Street,	3.66	James Street,	.39
Fairfield Avenue,	17.99	Jefferson Street,	18.93
Fales Street,	2.44	Kibbe Street,	1.94
Farmington Avenue,	.90	King Street,	1.22
Flatbush Avenue,	5.17	Lafayette Street,	14.04
Flower Street,	19.56	Laurel Street,	31.73
Francis Avenue,	6.85	Lawrence Street,	27.07
Freeman Street,	1.84	Lincoln Street,	28.71
Forest Street,	64.50	Madison Avenue,	12.19
Glendale Avenue,	13.56	Madison Street,	3.04
Grace Street,	1.22	Maple Avenue,	57.32

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TABLE No. 5. — CONTINUED. STREETS REPAIRED.— DISTRICT No. 3.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
New Britain Avenue,	$ 135.68	Smith Street,	$20.54
Newfield Avenue,	2.32	School Street,	2.22
New Park Avenue,	46.63	Squire Street,	8.72
Oak Street,	1.84	Summit Street,	20.84
Olive Street,	1.84	Tremont Street,	6.72
Orange Street,	3.61	Vernon Street,	60.89
Oxford Street,	1.22	Ward Street,	32.76
Park Street,	181.12	Ward Place,	3.05
Park Terrace,	5.68	Warrenton Avenue,	12.99
Putnam Heights,	1.84	Washington Street,	139.63
Putnam Street,	14.06	Webster Street,	4.78
Queen Street,	4.44	Wellington Street,	.77
Regent Street,	1.22	Willow Street,	1.00
Riverside Street,	1.84	Wilson Street,	5.06
Rose Street,	12.82	Wolcott Street,	3.66
Rowe Avenue,	.78	Woodbine Street,	71.34
Russ Street,	5.50	Zion Street,	17.69
Sigourney Street,	4.61		
Sisson Avenue,	11.90		$1,656.12

District No. 3 is bounded on the north by the south line of Farmington Avenue; on the east by the east line of Maple Avenue, Washington Street, Webster Street, and Ford Street; on the south by the City Line; on the west by the City Line.

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TABLE No. 6. STREETS REPAIRED.— DISTRICT No. 4.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Albany Avenue,	$ 264.09	Elmer Street,	$ 4.89
Allyn Street,	.22	Fairmount Street,	1.83
Ashley Street,	28.35	Farmington Avenue,	115.46
Asylum Street,	92.66	Fern Street,	9.16
Ann Street,	.61	Foot Guard Place,	1.22
Atlantic Street,	2.04	Garden Street,	144.71
Atwood Street,	5.52	Gillett Street,	14.28
Barbour Street,	16.50	Girard Avenue,	25.05
Beacon Street,	.61	Green Street,	4.70
Belden Street,	4.29	Greenfield Street,	1.22
Blue Hills Avenue,	19.56	Harrison Street,	6.12
Brook Street,	35.45	Huntington Street,	251.96
Capen Street,	26.18	Kenyon Street,	26.66
Cemetery Street,	1.84	Laurel Street,	18.33
Center Street,	3.04	Lenox Place,	1.22
Charlotte Street,	1.84	Liberty Street,	13.45
Chestnut Street,	5.44	Love Lane,	.61
Clark Street,	16.06	Lorraine Street,	306.07
Collins Street,	31.84	Magnolia Street,	2.45
Cone Street,	9.05	Mahl Avenue,	1.22
Deerfield Avenue,	34.79	Martin Street,	19.77
East Street,	7.32	Mather Street,	12.83
Edwards Street,	13.85	Marshall Street,	1.84
Elizabeth Street,	.78	May Street,	16.39

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TABLE No. 6. — CONTINUED. STREETS REPAIRED.—DISTRICT No. 4.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Niles Street,	$ 23.40	Vine Street,	$ 53.24
Oxford Street,	16.51	Walnut Street,	12.40
Prospect Avenue,	82.20	Whitney Street,	8.84
Pliny Street,	3.05	Willard Street,	1.22
Sargeant Street,	13.00	Williams Street,	2.44
Sherman Street,	3.67	Windsor Avenue,	16.72
Sigourney Street,	47.68	Woodland Street,	123.30
Spring Street,	7.97	Wooster Street,	.44
Spruce Street,	11.27		
Sumner Street,	3.68		$2,054.40

District No. 4 is bounded on the north by Holcomb Street and Westland Street; east by Windsor Avenue and High Street; on the south by Farmington Avenue; on the west by Prospect Avenue and City Line.

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TABLE No. 7. REPAIRS ON PAVED STREETS.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Allyn Street,	$ 17.67	Park Street,	$ 106.89
Asylum Street,	686.01	Pratt Street,	8.61
Capitol Avenue,	36.10	Prospect Street,	91.07
Central Row,	50.02	State Street,	1,108.62
Church Street,	91.17	Trinity Street,	69.27
Farmington Avenue,	879.91	Trumbull Street,	43.51
High Street,	28.37	Windsor Avenue,	74.74
Main Street,	2,414.36		
Market Street,	92.93		$6,286.48
Mulberry Street,	28.22	Wages of Inspector,	459.00

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TABLE NO. 8. STREETS MACADAMIZED.

NAME OF STREET.	Width feet.	Length in feet.	Cost of carting stone.	Cost of spreading stone, sand, water, etc.	Cost of rolling by steam roller.	Cost of stone purchased.	Total cost.
Beacon Street,	30	1,071	$483.34	$299.73	$263.92	$1,938.48	$2,985.47
Bond Street,	14	2,800	736.97	949.63	426.16	2,718.65	4,831.41
Flatbush Avenue,	16	2,400	512.12	675.28	458.12	1,484.17	3,129.69
Franklin Avenue,	16	3,200	253.66	531.65	535.99	3,244.17	4,565.47
Greenfield Street,	30	1,125	507.97	250.18	304.57	2,066.36	3,129.08
Hawthorn Street,	30	800	755.27	343.73	532.32	2,329.79	3,961.11
Irving Street,	30	844	398.79	408.11	253.73	1,551.55	2,612.18
Kibbe Street,	14	700	138.47	142.56	110.67	699.32	1,091.02
Lenox Place,	30	1,200	592.36	330.68	193.68	2,330.91	3,447.63
Maple Avenue, at Retreat Avenue,	17	80	.....	29.80	9.78	.....	39.58
West Street,	17	343	153.20	93.08	68.45	171.87	486.60
		14,563	$4,532.15	$4,054.43	$3,157.39	$18,535.27	$30,279.24

NOTE:—In cleaning up at quarry there were sent to Flatbush Avenue 95 loads and to West Street 93 loads of bottom and rubbish stone.

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TABLE NO. 9. STREETS REPAIRED AND RESTONED.

NAME OF STREET.	Cost of carting stone.	Cost of spreading stone, sand, water, etc.	Cost of rolling by steam roller.	Cost of stone purchased.	Total cost.
Adelaide Street,	.....	.....	$ 16.26	.....	$ 16.26
Annawan Street,	.....	.....	8.13	.....	8.13
Allen Place,	$ 117.28	$ 938.48	144.45	$ 536.25	1,736.46
Asylum Avenue,	.....	.....	17.49	20.62	38.11
Albany Avenue,	.....	.....	10.06	20.63	30.69
Barbour Street,	.....	4.48	.....	6.87	11.35
Bartholomew Avenue,	68.90	15.16	94 99	199.38	378.43
Bellevue Street,	.....	.56	....	.....	.56
Blue Hills Avenue,	119.68	108.70	420.42	1,512.50	2,161.30
Bonner Street,	50.66	14.40	50.30	192.50	307.86
Brook Street,	218.19	61.78	321.94	852.50	1,454.41
Brown Street,	.....	.....	8.13	.....	8.13
Buckingham Street,	40.48	8.00	78.21	144.37	271.06
Camp Field Avenue,	.....	.....	8.13	.....	8.13
Capitol Avenue,	.....	10.00	82.53	.....	92.53
Cedar Street,	36.24	7.28	81.30	103.12	227.94
Charlotte Street,	.....	4.48	.....	.....	4.48
Collins Street,	146.94	31.12	113.91	495.00	786.97
Cone Street,	.....	.....	8.75	.....	8.75
Columbia Street,	10.74	.....	34.37	41.25	86.36

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TABLE No. 9 — CONTINUED. STREETS REPAIRED AND RESTONED.

NAME OF STREET.	Cost of carting stone.	Cost of spreading stone, sand, water, etc.	Cost of rolling by steam roller.	Cost of stone purchased.	Total cost.
Capen Street,	.....	.....	.....	$ 13.75	$ 13.75
Clark Street,	.....	.....	.....	6.87	6.87
Commerce Street,	.....	.....	.....	25.00	25.00
Deerfield Avenue,	$ 31.12	$ 7.36	$ 19.55	68.75	126.78
Fairfield Avenue,	.....	8.96	25.63	82.50	117.09
Fales Street,	.....	2.24	.....	.....	2.24
Forest Street,	194.87	64.39	268.86	824.99	1,353.11
Front Street,	52.64	10.00	.....	466.00	528.64
Ferry Street,	.....	.....	.....	5.00	5.00
Garden Street,	140.65	18.16	97.80	694.38	950.99
Gillett Street,	.....	.....	4.88	.....	4.88
Girard Avenue,	141.28	33.45	181.09	391.87	747.69
Hamilton Street,	39.55	23.64	.....	226.88	290.07
Hillide Avenue,	.....	1.68	17.50	.....	19.18
Howard Avenue,	.....	2.80	.....	.....	2.80
Huntington Street,	195.05	59.15	197.05	996.87	1,448.12
Huyshope Avenue,	.....	.....	45.14	103.12	148.26
Jewell Street,	8.40	1.11	.....	53.25	62.76
John Street,	76.56	15.60	48.78	316.25	457.19
Kenyon Street,	.....	.....	10.06	.....	10.06

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TABLE NO. 9.—CONTINUED. STREETS REPAIRED AND RESTONED.

NAME OF STREET.	Cost of carting stone.	Cost of spreading stone, sand, water, etc.	Cost of rolling by steam roller.	Cost of stone purchased.	Total cost.
Kilbourn Street,	.....	$1.12	.....	.....	$1.12
Laurel Street,.	$51.04	29.00	$104.97	$213.13	398.14
Lincoln Street,	186.41	60.91	184.43	611.87	1,043.62
Loomis street,	50.54	21.04	60.37	247.50	379.45
Lafayette Street,	.....	.....	.....	13.75	13.75
Maple Avenue,	.....	1.68	17.49	68.76	87.93
Market Street,	.....	.....	.....	165.00	165.00
Morgan Street,	.....	.....	.....	136.87	136.87
May Street,	52.08	15.95	48.12	192.50	308.65
New Park Avenue,	.....	.....	60.61	41.25	101.86
New Britain Avenue,	.....	.....	8.13	89.37	97.50
Oxford Street,	.....	.....	8.75	.....	8.75
Pawtucket Street,	44.12	12.72	63.16	165.00	285.00
Preston Street,	140.20	28.64	113.82	453.75	736.41
Park Street,	.....	.....	.....	27.50	27.50
Prospect Street,	.....	.....	.....	61.88	61.88
Pleasant Street,	.....	.....	.....	13.75	13.75
Queen Street,	.....	3.92	.....	.....	3.92
Retreat Avenue,	.....	2.00	19.55	94.33	115.88
Rose Street,	.....	1.68	33.14	20.63	55.45

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TABLE No. 9. — CONTINUED. STREETS REPAIRED AND RESTONED.

NAME OF STREET.	Cost of carting stone.	Cost of spreading stone, sand, water, etc.	Cost of rolling by steam roller.	Cost of stone purchased.	Total cost.
Roosevelt Street,	.....	.....	$ 8.13	.....	$ 8.13
Sigourney Street,	$ 21.28	$ 16.00	4.88	.....	42.16
Sisson Avenue,	.....	7.28	8.75	.....	16.03
Smith Street,	.....	1.68	.....	.....	1.68
State Street,	.....	.....	.....	$ 45.87	45.87
Shultas Place,	.....	.....	8.13	.....	8.13
Temple Street,	42.00	11.37	58.66	215.63	327.66
Tremont Street,	.....	1.12	27.55	.....	28.67
Talcott Street,	.....	.....	.....	13.75	13.75
Vine Street,	107.53	137.92	529.54	1,182.50	1,957.49
Warren Street,	104.83	34.90	70.43	233.75	443.91
Westland Street,	8.96	.....	.....	.....	8.96
Wethersfield Avenue,	12.44	15.26	51.87	137.50	217.07
Windsor Avenue,	.....	4.48	.....	770.75	775.23
Windsor Street,	173.60	17.28	303.10	41.25	535.23
Whitney Street,	.....	.....	8.75	.....	8.75
Woodland Street,	.67	6.49	43.98	68.75	119.89
Wyllys Street,	117.89	43.50	113.82	330.00	605.21
Washington Street,	.....	.....	.....	110.00	110.00
Webster Street,	.....	.....	8.13	6.87	15.00
White Street,	.....	.....	8.13	6.87	15.00
Water Street,	.....	.....	.....	13.75	13.75

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TABLE No. 9. — CONTINUED. STREETS REPAIRED AND RESTONED.

NAME OF STREET.	Cost of carting stone.	Cost of spreading stone, sand, water, etc.	Cost of rolling by steam roller.	Cost of stone purchased.	Total cost.
Stone to Storage Lots:					
Front Street,	.....	.....	.....	$41.25	$41.25
Garden Street,	$213.24	.....	.....	822.80	1,036.04
Hamilton Street,	13.45	.....	.....	13.75	27.20
Lawrence Street,	177.62	.....	.....	893.76	1,071.38
Sheldon Street,	245.64	.....	.....	1,347.50	1,593.14
Standish Street,	4.69	.....	.....	55.00	59.69
Smith Street,	32.05	.....	.....	268.13	300.18
Windsor Avenue,	45.90	.....	.....	151.25	197.15
Westland Street,	.....	.....	.....	206.25	206.25
	$ 3,515.71	$ 1,948.62	$ 4,392.10	$ 17,994.24	$ 27,850.67
Labor on Balf Roller, and Supply Cart,			5.33 18.00		
			$ 4,415.43		

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TABLE No. 10. — SIDEWALK, CURB AND GUTTER STONES, LAID AND REPAIRED.

NAME OF STREET.		COST.
Broad Street,	at bridge, walk,	$ 5.00
Forest Street,	Gutters,	4.34
Hawthorn Street,	Gutters,	11.92
Hudson Street,	Walk,	7.26
Lafayette Street,	Gutters,	44.95
Laurel Street,	at Nile Street, curb,	4.05
Maple Avenue,	at Bond Street, new curb,	72.60
Preston Street,	Gutters,	12.05
Retreat Avenue,	at Maple Avenue, gutters,	9.45
Whitney Street,	Walk,	17.07
Wilson Street,	Walk,	3.64
		$192.33

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TABLE No. 11. NEW CROSSWALKS

NAME OF STREET.	LOCATION.	COST.	NAME OF STREET.	LOCATION.	COST.
Albany Avenue,	at Sigourney Street,	$63.14	Glendale Avenue,	at Hillside Avenue,	$39.62
Church Street,	at Spring Street,	48.00	Lafayette Street,	north of Russ Street,	41.25
Farmington Avenue,	at Beacon Street,	59.17	Maple Avenue.	at Bond Street,	27.30
Farmington Avenue,	west of Evergreen Avenue,	49.65	Maple Avenue,	at Retreat Avenue,	57.40
Farmington Avenue,	west of Kenyon Street,	58.70	Oxford Street,	north of Farmington Ave.,	50.70
Farmington Avenue,	west of Tremont Street,	55 41	Putnam Heights,	at Putnam Street,	50.00
Farmington Avenue,	at Whitney Street,	38.45	School Street,	at Washington Street,	49.88
Franklin Avenue,	at South Street,	53.84	Vine Street,	south of Greenfield Street,	44.40
Franklin Avenue,	north of Standish Street,	57.16	Ward Place,	at Hillside Avenue,	41.35
Franklin Avenue,	at Warner Street,	52.68	Miscellaneous,	(11 cubic yards sand),	7.15
					$945.25

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TABLE No. 12. CROSSWALKS RELAID AND REPAIRED.

NAME OF STREET.	LOCATION.	COST.	NAME OF STREET.	LOCATION.	COST.
Affleck Street,	at Park Street,	$ 15.16	Buckingham Street,	at Hudson Street (2),	$ 9.75
Albany Avenue,	at Center Street,	4.30	Buckingham Street,	at West Street,	5.41
Albany Avenue,	at East Street,	58.14	Buckingham Street,	at Whitman Court,	4.34
Albany Avenue,	at Edward Street,	4.30	Burton Street,	at Albany Avenue,	5.41
Albany Avenue,	at Vine Street,	4.34	Canton Street,	at Bellevue Street,	5.41
Albany Avenue,	at Woodland Street,	4.34	Canton Street,	at Windsor Street,	4 34
Allen Place,	at Washington Street,	9.75	Capen Street,	at Clark Street,	3.45
Avon Street,	at Windsor Street,	3.45	Capitol Avenue,	at West Street (2),	40.76
Barbour Street,	at Charlotte Street,	5.41	Center Street,	at Albany Avenue,	3.45
Barbour Street,	at Westland Street,	4.34	Charlotte Street,	at Barbour Street,	4.34
Babcock Street,	at Park Street,	4.34	Charter Oak Avenue,	at School Street,	3.45
Barnard Street,	at New Britain Avenue,	9.75	Church Street,	at Ann Street (2),	9.75
Blue Hills Avenue,	at Nos. 47, 57 and 81,	9.75	Church Street,	at St. Patrick's Church,	5.41
Bond Street,	at Franklin Avenue (2),	23.00	Clark Street,	at Capen Street,	4.30
Bond Street,	at Maple Avenue,	13.73	Deerfield Avenue,	at Albany Avenue,	5.41
Bond Street,	at Wethersfield Avenue,	6.67	Elliott Street,	at Franklin Avenue,	4.34
Broad Street,	at No. 1281,	5.41	Elliott Street,	at Wethersfield Avenue,	5.41
Broad Street,	at Lincoln Street,	4.34	Elmer Street,	at Windsor Street,	5.41
Broad Street,	at Madison Street,	4.34	Fales Street,	at Sisson Avenue,	4.34
Broad Street,	at New Britain Avenue,	9.75	Farmington Avenue,	at Kenyon Street,	5.41
Broad Street,	at Park Street (2),	4.34	Farmington Avenue,	at Smith Street (2),	7.75
Broad Street,	at Vernon Street,	5.41	Ferry Street,	at Front Street,	4.34
Brook Street,	at Liberty Street,	9.75	Forest Street,	at Hawthorn Street,	4.34

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TABLE No. 12.—CONTINUED. CROSSWALKS RELAID AND REPAIRED.

NAME OF STREET.	LOCATION.	COST.	NAME OF STREET.	LOCATION.	COST.
Franklin Avenue,	Cros'wks dis. by rollers,	$ 8 64	Jefferson Street,	at Broad Street,	$ 4.34
Franklin Avenue,	at Adelaide Street (2),	7.50	Jefferson Street,	at Seymour Street,	7.36
Franklin Avenue,	at Bushnell Street,	7.50	Jewell Street,	at Trumbull Street,	3.05
Franklin Avenue,	at Pawtucket Street,	4.34	Kilbourn Street,	at Charles Street,	6.50
Franklin Avenue,	at Preston Street,	7.50	Lafayette Street,	at No. 153,	5.41
Franklin Avenue,	at Shultas Place,	5.41	Laurel Street,	at Riverside Street,	4.34
Front Street,	at Arch Street (2),	9.75	Lenox Place,	at Albany Avenue,	4.34
Front Street,	at Ferry Street,	5.41	Liberty Street,	at Garden Street,	3.45
Front Street,	at State Street,	16 26	Lincoln Street.	at Broad Street,	5.41
Front Street,	at Talcott Street,	5.41	Madison Street,	at Broad Street,	5.41
Front Street,	at Temple Street,	12.90	Maple Avenue,	at No. 55,	4 34
Greenfield Street,	at Vine Street,	4.30	Maple Avenue,	at King Street.	12.05
Hamilton Street,	at Francis Avenue (2),	15.16	Maple Avenue,	at Retreat Avenue,	5 27
Harrison Street,	at Woodland Street,	4.30	Market Street,	at Pleasant Street,	4.34
Hawthorn Street,	at No. 56,	5.41	Martin Street,	at Westland Street,	5.41
Hawthorn Street,	at Forest Street (2),	20.56	Mather Street.	at Garden Street,	3 45
Hawthorn Street,	at Imlay Street (2),	9.75	New Britain Avenue,	at Webster Street,	9.75
Hawthorn Street,	at Laurel Street (2),	23.84	Oxford Street,	at Farmington Avenue.	9 75
Hawthorn Street,	at Sigourney Street,	5.41	Park Street,	at French Church,	4.34
Heath Street,	at Park Street,	9.75	Park Street,	at Laurel Street,	5.41
Huntington Street,	at Ashley Street (2),	16.90	Park Street,	at Putnam Street (2),	9.75
Huntington Street,	at Collins Street (2),	12.05	Pawtucket Street,	at Franklin Avenue,	7.50
Huntington Street,	at Sargeant Street,	3.45	Putnam Street,	at Park Street (2),	10.82

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TABLE NO. 12.— CONTINUED. CROSSWALKS RELAID AND REPAIRED.

NAME OF STREET.	LOCATION.	COST.	NAME OF STREET.	LOCATION.	COST.
Raymond Street,	at Vine Street,	$ 3.45	Warrenton Avenue,	at Smith Street (2),	$15.50
Retreat Avenue,	at Maple Avenue,	28.50	Webster Street,	at Benton Street,	4.34
Riverside Street,	at Laurel Street,	4.34	Webster Street,	at Crown Street,	3.45
Seymour Street,	at Jefferson Street,	7.81	Wells Street,	at No. 34,	2.45
Seymour Street,	at Park Street,	3.34	West Street,	at Buckingham Street,	5.41
Sheldon Street,	at Storehouse,	9.75	West Street,	at Capitol Avenue (2),	9 75
Sigourney Street,	at Albany Avenue,	5.41	Westland Street,	at Barbour Street (2),	9.75
So. Prospect Street,	at Sheldon Street,	4.16	Westland Street,	at Clark Street,	4.34
Talcott Street,	at Front Street,	4.34	Wethersfield Avenue,	at No. 157,	5.41
Temple Street,	at No. 70,	7.75	Wethersfield Avenue,	at Elliott Street,	4.34
Temple Street,	at Front Street,	7.75	Willow Street,	at Laurel Street,	4.34
Tremont Street,	at Farmington Avenue,	4.34	Windsor Avenue,	at No. 448,	9.75
Trumbull Street,	at Jewell Street,	7.75	Windsor Avenue,	at Elmer Street,	4.34
Vernon Street,	at No. 53,	4.33	Windsor Avenue,	at Sanford Street,	9.75
Vernon Street,	at Broad Street,	4.34	Windsor Avenue,	at Westland Street,	5.41
Vernon Street,	at Washington Street,	9.75	Windsor Street,	at Nos. 277 and 300,	7.75
Village Street,	at Pleasant Street,	4.30	Windsor Street,	at Avon Street (2),	15.50
Vine Street,	at Capen Street,	9.76	Windsor Street,	at Pleasant Street (2),	15.50
Walnut Street,	at Garden Street,	4.30	Woodbridge Street,	at Sheldon Street,	3.34
Warner Street,	at Franklin Avenue,	5.41	Wyllys Street,	at Charter Oak Place,	4.16
Washington Street,	at No. 138,	29.84	Wyllys Street,	at Union Street,	5.40
Washington Street,	at New Britain Avenue,	9.75	Paid wages for inspectors, . .	. . . . .	729.00
Ward Street,	at Washington Street,	9.75			$1,812.92

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TABLE No. 13. SEWER REPAIRS.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Albany Avenue,	$ 5.78	Ellery Street,	$1.17
Arch Street,	10.78	Elm Street,	.67
Asylum Street,	82.12	Fairmount Street,	21.66
Babcock Street,	.67	Flatbush Avenue,	3.71
Bartholomew Avenue,	22.61	Flower Street,	6.22
Beacon Street,	57.48	Folly Brook,	4.00
Belden Street,	1.50	Franklin Avenue (Standpipe),	12.00
Belmont Street,	8.64	Garden Street,	38.10
Bellevue Street,	19.98	Gillett Street,	48.23
Benton Street,	4.87	Glendale Avenue,	11.25
Bond Street,	4.37	Goodman Place,	15.56
Bonner Street,	8.14	Governor Street,	28.15
Broad Street,	30.65	Green Street,	12.38
Capen Street,	24.18	Greenfield Street,	5.47
Center Street,	7.90	Gully Brook,	30.23
Chadwick Avenue,	6.74	Hamilton Street,	39.23
Charlotte Street,	189.24	Harbison Avenue,	37.30
Charter Oak Avenue,	65.11	Hawthorn Street,	4.87
Clark Street,	13.30	Hungerford Street (Overflow),	73.25
Clinton Street,	33.00	Huntington Street,	18.79
Dean Street,	4.44	Irving Street,	2.45
Elliott Street,	160.27	Interceptor,	45.49
Elliott Place,	1.44	Kennedy Street,	18.26

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TABLE 13. — CONTINUED. SEWER REPAIRS.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Kibbe Street,	$ 38.03	Preston Street,	$ 12.32
Lawrence Street,	.67	Rice Court,	2.51
Lenox Place,	8.16	Sanford Street,	41.62
Lincoln Street,	9.56	Seymour Street,	14.22
Lorraine Street,	1,333.57	Sigourney Street,	1.55
Madison Avenue,	35.90	Smith Street,	94.60
Main Street,	5.00	South Prospect Street,	43.34
Maple Avenue,	13.05	Standish Street,	17.82
Market Street,	24.91	Tremont Street,	28.32
Martin Street,	49.51	Vine Street,	30.41
Mather Street,	.66	Ward Place,	111.16
Morris Street,	8.99	Warren Street,	13.19
New Britain Avenue,	144.40	West Street,	6.58
Nook Farm,	275.60	Westland Street,	38.22
North Street,	197.47	Wethersfield Avenue,	32.12
Park Street,	81.03	Windsor Avenue,	10.68
Pawtucket Street,	5.98	Windsor Street,	5.54
Pearl Street,	.39	Winship Street,	7.19
Pequot Street,	3.79	Woodbine Street,	2.53
Pleasant Street,	34.30	Woodbridge Street,	8.20
Pliny Street,	12.11	Woodland Street,	14.40
Portland Street,	3.39	Wooster Street,	75.73
Pratt Street,	10.36		$4,150.73

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TABLE 13. — CONTINUED.

SEWER REPAIRS.

	COST.		COST.
Inspecting City sewers,	$628.00	3,750 brick,	$ 33.75
24 manhole covers,	120.00	Cleaning hose, 1 pair boots, tools, etc.,	102.11
12 duplex manholes,	198.00		
200 ft. hose and couplings,	161.75		$5,394.34

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TABLE No 14. BRIDGES REPAIRED.

NAME OF STREET.	COST.	NAME OF STREET.	COST.
Albany Avenue,	$ 3.54	Laurel Street,	$ 34.23
Capitol Avenue,	78.51	Love Lane,	44.05
Commerce Street,	126.77	Newfield Avenue,	141.60
Flatbush Avenue,	279.96	White Street,	7.80
Ford Street,	62.80		
Forest Street,	91.13		$870.39

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TABLE No. 15. NEW CULVERTS.

NAME OF STREET.	COST.
Elizabeth Street at Girard Avenue,	$ 54.85
Flatbush Avenue,	143.08
Kenyon Street extension (4),	201.43
New Britain Avenue at Newfield Avenue,	89.97
	$489.33

TABLE No. 16. CULVERTS REPAIRED.

NAME OF STREET.	COST.
Brook Street,	$18.21
Hillside Avenue,	8.64
	$26.85

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TABLE No. 17. NEW WELLS AND INLETS.

NAME OF STREET.	LOCATION.	COST.	NAME OF STREET.	LOCATION.	COST.
Alden Street,	at No. 15,	$ 57.49	Hawthorn Street,	at No. 177,	$ 56.74
Ashley Street,	at Woodland Street,	235.22	Hawthorn Street,	at No. 178,	65.41
Beacon Street,	at No. 22,	76.75	Hawthorn Street,	at No. 203,	65.22
Beacon Street,	at No. 23,	66.45	Hawthorn Street,	at No. 204,	60.21
Beacon Street,	at Capitol Av., N.W. cor.,	56.78	Hillside Avenue,	at Ward Place,	73.39
Beacon Street,	at Capitol Av., N.E. cor.,	60.01	Lawrence Street,	at Grand Street,	62.63
Beacon Street,	near Prospect Avenue (2),	126.16	Lenox Place,	at No. 5,	63.09
Bonner Street,	at Nos. 27 and 28 (2),	118.04	Lenox Place,	at No. 6,	48.74
Broad Street,	at Lincoln Street,	79.78	Lenox Place,	at No. 53,	69.94
Buckingham Street,	at West Street,	70.40	Lenox Place,	at No. 60,	58.60
Charter Oak Avenue,	at Wyllys Street,	40.14	Lincoln Street,	at Nos. 15 and 16 (2),	103.86
Clark Street,	at Nos. 15 and 18 (2),	121.52	Maple Avenue,	at Bond Street,	76.19
Clark Street,	at No. 122,	71.87	New Britain Avenue,	at Newfield Avenue (2),	21.06
Cone Street,	at Beacon St., N.W. cor.,	45.38	Park Street,	at Railroad Bridge (2),	143.04
Cone Street,	at Beacon St., N.E. cor.,	52 30	Preston Street,	at Nos. 20 and 21 (2),	151.69
Deerfield Avenue,	at Nos. 23 and 26 (2),	131.00	Preston Street,	near Franklin Avenue (2),	133.31
Franklin Avenue,	at Barker Street,	81.62	West Street,	near Capitol Avenue (2),	120.14
Franklin Avenue,	at Cottage Place,	66.25	Woodland Street,	at No. 135,	75.51
Franklin Avenue,	at Otis Street,	82.52	Woodland Street,	at No. 158,	45.99
Greenfield Street,	at Edgewood Street,	65.72	Woodland Street,	at Albany Avenue,	76.36
Greenfield Street,	at Lenox Pl., N E. cor.,	67.15	106 yards sand,		68.90
Greenfield Street,	at Lenox Pl., N.W. cor.,	63.71	12 grates,		42.00
Greenfield Street,	opposite Lenox Place,	66.32	Pipe, b'ds and l'd tile,		22.66
Greenfield Street,	near Woodland St., S. side,	37.59			
Greenfield Street,	near Woodland St., N. side,	39.80			$3,684.76

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TABLE No. 18. REPAIRS OF WELLS AND INLETS.

NAME OF STREET.	LOCATION.	COST.	NAME OF STREET.	LOCATION.	COST.
Albany Avenue,	at No. 583,	$ 21.07	Bond Street,	at Maple Avenue,	$ 3.00
Albany Avenue,	at Deerfield Ave. E. Cor.	15.00	Broad Street,	at Park Street,	24.81
Albany Avenue,	at Deerfield Ave. W. Cor.	17.00	Buckingham Street,	at Nos. 7 and 10 (2),	15.48
Albany Avenue,	at Lenox Place (2),	17.25	Canton Street,	at Windsor Street,	15.55
Allen Place,	at No. 43,	9.24	Cedar Street,	at No. 46,	10.99
Asylum Street,	at Gillett Street,	44.25	Cedar Street,	at No. 47,	19.61
Barbour Street,	at No. 78,	30.15	Charles Street,	at No. 18,	16.94
Belden Street,	at Nos. 43 and 44 (2),	41.74	Charter Oak Avenue,	at No. 93,	5.32
Belden Street,	at East Street,	11.82	Charter Oak Place,	at No. 37,	18.49
Bond Street,	at No. 48,	17.40	Collins Street,	at No. 78,	10.41
Bond Street,	at No. 49,	11.75	Cook Place,		3.50
Bond Street,	at No 116,	20.64	Elliott Place,	at Nos. 2 and 3 (2),	14.05
Bond Street,	at No. 150,	30.50	Franklin Avenue,	at Nos. 396 and 397 (2),	35.72
Bond Street,	at No. 151,	37.49	Franklin Avenue	at No. 428,	14.74
Bond Street,	at No. 171,	36.54	Franklin Avenue,	at No. 443,	10.86
Bond Street,	at No. 172,	46.75	Franklin Avenue,	at Adelaide Street (2),	45.68
Bond Street,	at Franklin N. E. Cor.	25.86	Franklin Avenue,	at Bodwell Street,	13.81
Bond Street,	at Franklin N. W. Cor.	15.41	Franklin Avenue,	at Bond Street,	10.58
Bond Street,	at Franklin S. E. Cor.	41.66	Franklin Avenue,	at Brown Street (2),	68.84
Bond Street,	at Franklin S. W. Cor.	35.16	Franklin Avenue,	at Bushnell Street,	26.81

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TABLE No. 18.—CONTINUED. REPAIRS OF WELLS AND INLETS.

NAME OF STREET.	LOCATION.	COST.	NAME OF STREET.	LOCATION.	COST.
Franklin Avenue,	at Otis Street,	$ 3.50	Huntington Street,	at No. 13,	$ 9.91
Franklin Avenue,	at Pawtucket Street,	1.17	Huntington Street,	at No. 39,	20.78
Franklin Avenue,	at Preston Street (3),	54.97	Huntington Street,	at No. 48,	12.54
Franklin Avenue,	at South Street (2),	46.56	Huntington Street,	at No. 104,	19.85
Front Street,	at No. 180,	16.41	Huyshope Avenue,		2.98
Front Street,	at Bridge,	16.29	Irving Street,	at No. 32,	9.66
Front Street,	at Grove Street,	4.25	Irving Street,	at No. 33,	19.17
Front Street,	near Grove Street,	3.50	John Street,	at No. 45,	19.74
Front Street,	bet. State & Grove Sts.,	3.50	Kibbe Street,	at No. 12,	18.51
Garden Street,	at Brook Street,	3.50	Kibbe Street,	at No. 13,	14.40
Garden Street,	near Capen Street,	3.50	Kibbe Street,	at N. Park av., N. W. Cor.	13.99
Grand Street,	at Hungerford Street,	26.71	Kibbe Street,	at N. Park av., S. W. Cor.	22.64
Green Street,	at Fairmount Street (2).	14.82	Laurel Street,	at No. 339,	12.68
Greenfield Street,	at Vine Street,	3.50	Laurel Street,	at No. 336,	12.52
Grove Street,	at Front Street,	20.69	Laurel Street,	at Farmington Avenue,	9.67
Grove Street,	under R. R. bridge,	3.50	Lawrence Street,	at No. 181,	15.91
Hamilton Street,	at No. 19,	3.50	Lawrence Street,	at Grand Street (4),	61.99
Hawthorn Street,	at Imlay Street (3),	46.72	Lawrence Street,	at Russ Street,	1.25
Hudson Street,	at No. 75,	8.81	Lincoln Street,	at No. 41,	11.68
Huntington Street,	at No. 7,	10.86	Lorraine Street,	No. end and No. 137,	23.91

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TABLE NO. 18 — CONTINUED. REPAIRS OF WELLS AND INLETS.

NAME OF STREET.	LOCATION.	COST.	NAME OF STREET.	LOCATION.	COST.
Market Street,	at No. 302,	$ 6.41	Westland Street,		$ .75
Maple Avenue,	at Retreat Avenue,	33.44	Wethersfield Avenue,	at No. 216,	8.14
Mather Street,	at Cemetery Street,	3.50	Wethersfield Avenue,	at No. 314,	21.26
Mechanic Street,	at No. 24,	11.91	Wethersfield Avenue,	at Adelaide Street,	10.86
Mulberry Street,	at No. 27,	4.37	Wethersfield Avenue,	at Brown Street,	13.45
Park Street,	at Broad Street,	1.25	Whitmore Street,		3.50
Park Street,	at Smith Street,	7.87	Windsor Avenue,	at No. 747,	.75
Pratt Street,	at Trumbull Street,	2.23	Windsor Street,	at No. 415,	25.12
Prospect Street,		.16	Windsor Street,	at Avon Street (4),	62.93
Putnam Street,	at No. 117,	3.50	Wooster Street,	at No. 27,	18.61
Taylor Street,		3.50	Wyllys Street,	at No. 14,	14.54
Taylor Street,	south side,	3.50	Wyllys Street,	opp. Union Street,	16.25
Temple Street,	at Front Street,	3.50	Labor cleaning wells,		2,566.52
Trumbull Street,	at Hicks Street,	8.44	53 set castings,		7.95
Vine Street,	(Flushing catch basins),	2.40	19 Spoon handles,		17.83
Vine Street,	at No. 318,	3.50	Land tile, repairs		
Vine Street,	opp. Greenfield Street,	6.42	to tools, etc.		2.75
Ward Place,	at Hillside Avenue,	4.42			
Ward Street,	at No. 87,	16.53			$4,459.97

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TABLE No. 19. STREET CLEANING.

PAVED STREET.	COST.	PAVED STREET.	COST.
Asylum Street,	$1,247.75	Pleasant Street,	$ 239.48
Ann Street,	234.81	Prospect Street,	326.51
Allyn Street,	685.79	State Street,	945.15
Atheneum Street,	152.10	Spruce Street,	477.33
Albany Avenue,	690.24	Trumbull Street,	681.70
Church Street,	434.43	Trinity Street,	615.17
Central Row,	547.15	Temple Street,	256.32
Capitol Avenue,	1,486.03	Talcott Street,	425.64
Ford Street,	644.12	Union Place,	600.56
Farmington Avenue,	1,492.32	Village Street,	366.76
Grove Street,	259.12	Windsor Street,	575.84
Gold Street,	234.03	Windsor Avenue,	1,486.31
Haynes Street,	311.68		
Hopkins Street,	583.52		$26,108.69
High Street,	737.45	Cost of removing snow,	4,479.94
Kinsley Street,	246.37	Cost of collecting papers and refuse,	46.57
Lewis Street,	165.74		
Main Street,	6,392.78		$30,635.20
Market Street,	553.27		
Mulberry Street,	261.43	DISTRICT NO. I.	
Morgan Street,	490.50	Cost of removing snow,	$ 321.59
Pearl Street,	986.26	Cost of cleaning macadam streets,	3,208.29
Pratt Street,	275.03	Cost of collecting papers and refuse,	409.20

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STREET CLEANING.

PAVED STREET.	COST.
Cost of cutting grass and weeds,	$ 69.00
	$34,643.28
DISTRICT NO. 2.	
Cost of removing snow,	$ 767.61
Cost of cleaning macadam streets,	3,315.22
Cost of collecting papers and refuse,	375.40
Cost of cutting grass and weeds,	50.20
	$39,151.71
DISTRICT NO. 3.	
Cost of removing snow,	$ 406.82
Cost of cleaning macadam streets,	3,487.87
Cost of collecting papers and refuse,	453.60
Cost of cutting grass and weeds,	61.20
	$43,561.20
DISTRICT NO. 4.	
Cost of removing snow,	$ 235.52
Cost of cleaning macadam streets,	2,734.83
Cost of collecting papers and refuse,	398.00

PAVED STREET.	COST.
Cost of cutting grass and weeds,	$ 65.40
	$46,994.95
Repairs on steam sweeper,	259.81
46,000 lbs. coal for steam sweeper,	145.55
144 boxes wood for steam sweeper,	29.70
Water for steam sweeper,	11.84
One cord wood for steam sweeper,	8.10
Tools and supplies for steam sweeper,	17.52
Insurance on boiler of steam sweeper,	40.00
One street cleaning cart,	55.00
Repairs to street cleaning carts,	206.48
Repairs & supplies for rotary horse sweeper,	229.60
7 hand sweepers,	343.00
Repairs to hand sweepers,	10.68
Repairs to push carts,	48.45
Repairs to street sprinklers,	76.86
Repairs to Walkaway snow plows,	1.66
271 push brooms and scrapers,	143.00
582 burlap sacks,	53.24
12 waste and sand cans,	38.00
36 spur scoops,	28.50
33 cubic yards sand,	21.45
Tools, supplies, repairs, etc.,	136.12
	$48,899.51

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TABLE No. 20. ASHES, RUBBISH, AND GARBAGE REMOVED.

Paid for removal of ashes and rubbish April 1, 1905, to March 31, 1906, under contract with the Edward Balf Co.,	$21,547.00
Paid for removal of garbage April 1, 1905, to March 31, 1906, under contract with the Edward Balf Co.,	14,280.00
Wages of man at Dumping Ground, spreading ashes, etc.,	561.50
Wages of Inspector,	120.00
	$36,508.50

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TABLE No. 21. SEWERS CONSTRUCTED IN 1905.

NAME OF STREET.	LOCATION.	BUILDER.	Material.	Size in inches.	Length in feet.	Cost.
(*a*) Ward Place,	Hillside Avenue, west 130 ft.,	J. M. Ferrante,	Tile,	15,	128.7	$ 176.51
(*a*) Lorraine Street,	230 ft. south of angle in street,	F. B. & W. H. O'Neil,	Tile,	12, 6,	354.2	1,333.57
(*b*) Mather Street,	Garden to Vine Streets,	Chas. H. Slocomb,	Tile,	12,	1,048.8	2,123.19
(*b*) Vine Street,	Mather Street, 280 ft. north,	Chas. H. Slocomb,	Tile,	10,	283 0	
(*b*) Vine Street,	Westland Street, 700 ft. south,	Chas. H. Slocomb,	Tile,	12, 10,	698.0	2,308.02
(*b*) Westland Street,	Gully Brook to Vine Street,	Chas. H. Slocomb,	Tile,	15, 10, 8,	574.2	
(*b*) Putnam Heights,	Putnam Street west, 600 ft.,	Chas. H. Slocomb,	Tile,	12, 10,	605.0	941.26
(*b*) Cottage Place,	Franklin Avenue east, 855 ft.,	F. B. & W. H. O'Neil,	Tile,	15, 10,	855.0	1,530.25
(*c*) Windsor Street,	75 ft. north of Warren to 100 ft. south of Dewey Street,	Chas. H. Slocomb,	Tile,	20, 18,	1,503.0	6,702.03
(*d*) Ward Street,	Park High'y No. 2, 285 ft. east,	F. B. & W. H. O'Neil,	Tile,	10,	285.0	1,245.50
(*d*) York Street,	Park High'y No. 2, 425 ft east,	F. B. & W. H. O'Neil,	Tile,	10,	425.5	649.05
(*d*) McLean Street,	Roosevelt Street, 296 ft. north,	J. M. Ferrante,	Tile,	10,	296.6	288.10
(*d*) McKinley Street,	South Street, 316 ft. south,	J. M. Ferrante,	Tile,	8,	316.6	307.50
(*d*) Earle Street,	Windsor Avenue, 250 ft. west,	Louis Rogirs,	Tile,	8,	250.0	160.00
				Totals,	7,623.6	$17,765.88

(*a*) City pays entire cost.
(*b*) Entire cost assessed against property.
(*c*) $4,813.11 assessed against property, city pays remainder, $1,889.82.
(*d*) Constructed for private parties.

Built in 1905, . . 1.44 miles.
Built in 1904, . . 4.14 miles.
Cost in 1904, . . $104,745.35.

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TABLE No. 22. VENTILATING MANHOLES.

NAME OF STREET.	LOCATION.	COST.	NAME OF STREET.	LOCATION.	COST.
Asylum Street,	at No. 318,	$68.22	Flower Street,	Front Pratt & Whitney's office,	$74.32
Asylum Street,	rear No. 323,	35.82	Jefferson Street,	at No. 95,	50.80
Capitol Avenue,	Connecting old sewer to interceptor,	88.87	New Britain Avenue,	bet. west manholes west of Broad Street,	84.24
Charter Oak Avenue,	East of Huyshope Ave.,	58.50	Woodbine Street,		46.00
Elliott Place,	foot of Mannz Court,	33.00	Windsor Avenue,	opp. Spring Grove,	1.94
					$541.71

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TABLE No. 23. PUBLIC LAMP DEPARTMENT—EXPENDITURES FOR THE YEAR 1905-06.

ELECTRIC ARC LAMPS.

MONTH OF					Number of arc lamps.	Nights burning.	Hours lighted.	Cost.
April,	1905,	March,	1905,	acct.,	805	31	348¼	$ 4,942.81
May,	1905,	April,	1905,	"	805	30	297½	4,232.63
June,	1905,	May,	1905,	"	807	31	265¾	3,785.70
July,	1905,	June,	1905,	"	807	30	240	3,418 86
August,	1905,	July,	1905,	"	808	31	250¾	3.565.58
September,	1905,	August,	1905,	"	808	31	281	4,014.26
October,	1905,	September,	1905,	"	808	30	316¼	4,507.93
November,	1905,	October,	1905,	"	810	31	364¾	5,200.76
December,	1905,	November,	1905,	"	811	30	395	5,650.09
January,	1906,	December,	1905,	"	814	31	426½	6, 09.19
February,	1906,	January,	1906,	"	818	31	423¼	6,093.01
March,	1906,	February,	1906,	"	819	28	351	5,065.81
						365	3,960	$56,576.63

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TABLE No. 23. — CONTINUED. PUBLIC LAMP DEPARTMENT—EXPENDITURES FOR THE YEAR 1905-06.

TWIN SERIES INCANDESCENT LAMPS.

MONTH OF					Number of lamps.	Nights burning.	Hours lighted.	Cost.
April,	1905,	March,	1905,	acct.,	33	31	348¼	$ 49.99
May,	1905,	April,	1905,	"	33	30	297½	44.57
June,	1905,	May,	1905,	"	33	31	265¾	39.81
July,	1905,	June,	1905,	"	34	30	240	36.28
August,	1905,	July,	1905,	"	37	31	250¾	40.92
September,	1905,	August,	1905,	"	37	31	281	47.20
October,	1905,	September,	1905,	"	37	30	316¼	53.12
November,	1905,	October,	1905,	"	37	31	364¾	61.27
December,	1905,	November,	1905,	"	43	30	395	74.75
January,	1906,	December,	1905,	"	50	31	426½	93.38
February,	1906,	January,	1906,	"	52	31	423¼	97.04
March,	1906,	February,	1906,	"	59	28	351	88.30
						365	3,960	$ 726.63

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TABLE NO. 23.—CONTINUED.

PUBLIC LAMP DEPARTMENT—EXPENDITURES FOR THE YEAR 1905-06.

LAMPS ON FORD STREET BRIDGE.

Thirty Incandescents of 25 candle power each,	$702.00

EXPENSE OF CHANGING POLES AND LAMPS.

September,	1905,	at corner of Retreat and Maple Avenues,	$3.83
October,	1905,	on Sanford and Whitney Streets and Albany Avenue,	13.15
November,	1905,	on Flatbush Avenue,	15.02
December,	1905,	on Allen Place,	2.09
January,	1906,	on Sherman Street,	6.89
March,	1906,	on Blue Hills Avenue and Kibbe Street,	5.01
January,	1906,	paid for inspection of lamps,	35.10
			$81.09

RECAPITULATION.

Paid for arc lamps, 1905-06,	$56,576.63
Paid for twin series incandescent lamps,	726.63
Paid for lamps on Ford Street bridge,	702.00
Paid for changing lamps and poles,	45.99
Paid for lamp inspection,	35.10
	$58,086.35

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TABLE No. 24. SIDEWALKS WITH CURB AND GUTTER ORDERED.

NAME OF STREET.	BETWEEN WHAT POINTS.	ACTION.
Brownell Avenue,	Curb,	Awaiting order of board.
Bond Street,	At Maple Avenue, curb,	Order executed.
Barbour Street,	Capen Street to Tower Avenue, walk, curb, and gutter,	Awaiting order of board.
Charter Oak Avenue,	At Charter Oak Place, east corner, curb,	Order executed.
Garden Street,	From city line of 1859 northerly, walk, curb, and gutter,	Awaiting order of board.
McKinley Street,	Roosevelt Street to South Street, walk, curb, and gutter,	Awaiting order of board.
McLean Street,	Roosevelt Street to South Street, walk, curb, and gutter,	Awaiting order of board.
Martin Street,	From city line of 1859 to Risley Street, walk, curb, and gutter,	Awaiting order of board.
	At Park Terrace, curb,	Order executed.
Putnam Heights,	From Windsor Street westerly, curb and gutter,	To be laid in 1906.
Portland Street,	Walk, curb, and gutter,	Walk and curb laid on north side.
Putnam Heights,	Sisson Avenue, northwest corner, curb,	To be laid in 1906.
Park Street,	Wethersfield Avenue to Franklin Avenue, walk, curb, and gutter,	Order executed.
Standish Street,	Zion Street west, walk, curb and gutter stones,	Awaiting order of board.
Ward Street Extension,	Clark Street to Vine Street, walk, curb, and gutter,	Awaiting order of board.
Westland Street,	Walk, curb, and gutter,	Awaiting order of board.
York Street,	Ward Street to New Britain Ave., west side, walk and curb,	Awaiting order of board.
Zion Street,		

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TABLE No. 25. STREET, BUILDING, AND VERANDA LINES AND GRADE ORDERED ESTABLISHED.

NAME OF STREET.	BETWEEN WHAT POINTS.	ACTION.
Albany Avenue,	Blue Hills Avenue to city line, street, building, and veranda lines and grade,	Established.
Arthur Place,	Street, building, and veranda lines and grade,	Established.
Allyn Street,	Trumbull Street to Union Place, street and building lines,	Established.
Albany Avenue,	Williams Street to Garden Street, building and veranda lines,	Established.
Barbour Street,	Capen Street to Tower Avenue, street and building lines,	Established.
Beach Street,	From Farmington Avenue southerly, veranda line,	Established.
Bonner Street,	From Zion Street to Hillside Avenue, veranda line,	Established.
Capen Street,	Windsor Avenue to Vine Street, street and building lines,	Established.
Center Street,	Mather Street to Albany Avenue, street and building lines,	Established.
Cemetery Street,	Mather Street to Spring Grove Cemetery, street, building, and veranda lines and grade,	Established.
Charter Oak Avenue,	Charter Oak Place east 133 feet, street line,	Established.
Charter Oak Place,	Wyllys Street to Charter Oak Avenue, street line,	Established.
Clark Street,	Capen Street to Westland Street, building and veranda lines,	Established.
Charlotte Street,	Barbour Street to Waverly Street, street, building, and veranda lines,	Established.
Church Street,	Main Street to Spring Street, street line,	Established.
Cushman Street,	Sigourney Street westerly, street, building, and veranda lines and grade,	Established.
Dewey Street,	South side, Bellevue Street to Windsor Street, building line,	Established.
Dewey Street,	Windsor Street west 150 feet, building and veranda lines,	Established.
Edgewood Street,	Raymond Street to Greenfield Street, street, building, and veranda lines and grade,	Established.

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TABLE No. 25. — CONTINUED.

STREET, BUILDING, AND VERANDA LINES AND GRADE ORDERED ESTABLISHED.

NAME OF STREET.	BETWEEN WHAT POINTS.	ACTION.
Elizabeth Street,	Street, building, and veranda lines and grade, ...	Established.
Edgwood Street,	Greenfield Street to Albany Avenue, street, building, and veranda lines and grade, ...	Established.
Greenfield Street,	Vine Street to Woodland Street, street, building, and veranda lines and grade, ...	Established. Established.
Hicks Street,	Trumbull Street to South Ann Street, street and building lines, ...	Established.
Mather Street,	Windsor Avenue to Vine Street, street, building, and veranda lines and grade, ...	Established.
Maple Avenue,	West side, at Retreat Avenue, street, building, and veranda lines and grade, ...	Established.
Main Street	Windsor Street northerly, street, building, and veranda lines,	Established.
Marsh Court,	Street, building, and veranda lines and grade, ...	Established.
McKinley Street,	Roosevelt Street to South Street, street, building, and veranda lines and grade, ...	Established.
McLean Street,	Roosevelt Street to South Street, street, building, and veranda lines and grade, ...	Established.
Martin Street,	Capen Street to Charlotte Street, street, building, and veranda lines and grade, ...	Established.
Otis Street,	Franklin Avenue to Camp Field Avenue, street, building, and veranda lines and grade, ...	Established.
Putnam Heights,	Between Putnam Street and Park Terrace, street, building, and veranda lines and grade, ...	Established.

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TABLE No. 25. — CONTINUED.

STREET, BUILDING, AND VERANDA LINES AND GRADE ORDERED ESTABLISHED.

NAME OF STREET.	BETWEEN WHAT POINTS.	ACTION.
Pratt Street,	Main Street to Trumbull Street, street, building, and veranda lines and grade,	Established.
Prospect Avenue,	East side, Fern Street to Asylum Street, street, building, and veranda lines and grade,	Established.
Portland Street,	Grade,	Established.
Park Street,	Corner Sisson Avenue and New Park Avenue, street line,	Established.
Putnam Terrace,	Putnam Street to Park Terrace, street, building, and veranda lines and grade,	Established.
Seyms Street,	From Windsor Avenue west, veranda line,	Established.
South Ann Street,	Pearl Street to Jewell Street, street and building lines,	Established.
Woodland Street,	Grade,	Established.
Ward Street Extension,	West of Zion Street, street, building, and veranda lines and grade,	Established.
Ward Street,	Washington Street to Zion Street, street, building, and veranda lines and grade,	Established.
York Street,	Street, building, and veranda lines and grade,	Established.
Zion Street,	West side, Ward Place to Wilson Street, veranda line,	Established.
	Streets Discontinued.	
Albany Avenue,	Blue Hills Avenue to city line,	
Beach Street,	South of Queen Street,	
Woodbine Street,	North of Capitol Avenue,	

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TABLE No. 26. CONCURRENT RESOLUTIONS.

Appropriation,	Making the general and specific appropriation, $307,607.00,	Expended $229,067.68.
Albany Avenue,	Instructing board to establish and maintain an arc electric light on, midway between Blue Hills Avenue and the railroad track,	Order executed.
Albany Avenue,	To lay a crosswalk at, and Irving Street during season of 1906,	To be executed early in the spring.
Albany Avenue,	To establish and maintain an electric arc light on, opposite Woodland Terrace,	Order executed.
Albany Avenue,	Instructing board to discontinue part of,	Order executed.
Asylum Street,	To repave, at the expense of the city,	Not yet executed.
Bonner Street,	To establish and maintain one arc electric light on,	Order executed.
Barbour Street,	Authorizing the removal of an electric lamp now at the northeast corner of, and Westland Street, to the southeast corner of, and Westland Street, and maintain the same in new location,	Order executed.
Buildings,	*De* removal of, through city streets without license of building inspector, and approval of Board of Street Commissioners,	Voted to place on file.
Broad Street,	To establish and maintain two series lamps on,	Not yet established.
Blue Hills Avenue,	To remove electric light to corner, and Burnham Street,	Order executed.
Camp Field Avenue,	To establish and maintain one series lamp at, and Barker Street,	Order executed.
Capitol Avenue,	To establish and maintain one series electric lamp on, between West Street and Whitman Court,	Order executed.
Clark Street,	Instructing board to build two catch basins, one at east side and one at west side of, at No. 122,	One well built, the other will be built this season.
"City Plan,"	Appointing a committee on "City Plan,"	Voted to table.

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Estate of A. W. Spaulding,	Giving leave to withdraw bill for sewer repairs, . . .	Voted to place on file.
Evergreen Avenue,	To establish and maintain an arc electric light on corner, and Warrenton Avenue, ...	Order executed.
Franklin Avenue,	To establish and maintain one arc lamp at corner, and Bodwell Street, ...	Order executed.
Franklin Avenue,	Authorizing board to make application to the Highway Commissioner for $9,000 allotted this city for road improvements to be used on, and Albany Avenue, ...	Allotment of $5,250 made, and is available for two years from Oct. 1, 1905.
Frankfort Street,	Authorizing the transfer of amount appropriated for macadamizing of, to the macadamizing of Greenfield Street,	Transfer made.
Fern Street,	Instructing board to macadamize, from North Beacon Street to Prospect Avenue, during the season of 1906, . .	Filed for execution in 1906.
Fern Street,	To establish and maintain an arc lamp corner, and North Beacon Street, ...	Order executed.
Grooved Rails,	Refusing to modify the agreement with the Hartford Street Railway Company *de* use of, ...	Voted to file.
Greenfield Street,	To establish and maintain an electric light on, at Edgewood Street, ...	Order executed.
Glendale Avenue,	To complete sidewalks on, by September 1, 1905, . . .	Order executed.
Harbison Avenue,	To complete sidewalks on, by September 1, 1905, . . .	Order executed.
Hurlburt Street,	To establish and maintain one series lamp at, west end of,	Order executed.
Hillside Avenue,	To lay out as a highway, from Hamilton Street to Park Terrace, ...	On file for execution in 1906.
Hillside Avenue,	To establish and maintain five series electric lights on, between New Britain Avenue and Flatbush Avenue, . . .	Order executed.
Half-holiday,	Granting a, during July and August, ...	Filed for compliance.

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TABLE No. 26. — CONTINUED. CONCURRENT RESOLUTIONS.

James Street,	To macadamize, during season of 1906, ...	Filed for execution in 1906.
Kibbe Street,	To establish and maintain one series lamp on, 150 feet west of Madison Avenue, ...	Order executed.
Kibbe Street,	Instructing board to move light on, to a point 400 feet west of Madison Avenue, ...	Order executed.
Lenox Place,	Changing the name of street now known as, to Lenox Street,	Voted to file.
Main Street,	Authorizing board to establish and maintain an electric light on, corner of State Street, ...	Order executed.
Maple Avenue,	Authorizing board to establish and maintain an electric light on, at corner of Preston Street, ...	Order executed.
Maple Avenue,	Giving P. W. Crane, et al. leave to withdraw their petition for veranda line on, ...	Order filed.
Mountford Street,	Permitting removal of lamp to corner, and Broad Street, . .	Not yet executed.
Madison Avenue,	To establish two series lamps on, south of Kibbe Street,	Order executed.
Mather Street,	To macadamize, from Garden Street to Vine Street, season of 1906, ...	Filed for execution in 1906.
New Britain Avenue,	To establish and maintain one arc electric light on, between Summit Street and light next east, ...	Order executed.
New Britain Avenue,	To establish and maintain an electric light on, between Zion Street and Hillside Avenue, ...	Order executed.
New Britain Avenue,	Granting permit to Hartford Street Railway Co. to double track, also Washington Street, ...	Several meetings have been held without result, the Railway Co. not wanting to use the Hartford grooved rail.

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TABLE No. 26. — CONTINUED. CONCURRENT RESOLUTIONS.

North Beacon Street,	Instructing board to macadamize, from Cone Street to Fern Street,	Filed for execution in 1906.
Park Terrace,	To macadamize, from Park Street to Hillside Avenue, during season of 1906,	Filed for execution in 1906.
Putnam Heights,	To establish and maintain four series electric lights on,	Order executed.
Putnam Heights,	To macadamize, during season of 1906,	Filed for execution in 1906.
Prospect Avenue,	To establish and maintain seven series lamps on, between Asylum and Albany Avenues,	Order executed.
Portland Street,	Instructing board to macadamize, season of 1906, after curbs, etc. are laid,	Filed for execution in 1906.
Russell Street,	Instructing board to establish and maintain an electric light on, at corner of Donald Street,	Order executed.
Retreat Avenue,	Authorizing the removal of arc light on, to a point 110 feet north,	Order executed.
Sigourney Street,	To establish and maintain one arc electric light on, at corner of Cushman Street,	Order executed.
South Beacon Street,	To establish and maintain one series lamp at south end of,	Order executed.
Street Sprinkling Assessment,	Accepting the, for 1905,	Order executed.
Street Sprinkling,	That the list of streets to be sprinkled for the season of 1906, be and the same hereby is approved and accepted; and appropriating $1,800 to be set aside and drawn on by order of the City Treasurer at the close of the sprinkling season or whenever the amount is payable,	Voted to receive and place on file.
Street Sprinkling,	*De* bids for sprinkling streets not to exceed five years,	Voted to place on file.
School Street,	To establish and maintain an electric light on, between Washington Street and Broad Street,	Voted to place on file. Order executed.

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TABLE No. 26.—CONTINUED. CONCURRENT RESOLUTIONS.

South Forest Street,	Authorizing the use of the Shanahan lot on, for dumping ashes, etc.,	Voted to place on file.
Sisson Avenue,	To establish and maintain one series electric light on, between Farmington Avenue and Fales Street,	Order executed.
Sherman Street,	Instructing board to move light on, to north end of street, and establish three series lamps,	Order executed.
Trumbull Street,	To establish and maintain one arc lamp on, between Pearl Street and Jewell Street,	Order executed.
Trees,	That Board of Street Commissioners, Board of Park Commissioners, Joint Special Committee of one Alderman and two Councilmen be requested to confer on matter of care of, in highways,	Conference held when it was found that neither board had authority under the charter.
Village Street,	Instructing board to report on lay-out of, from Pleasant Street to Avon Street, Marsh Court, Orchard Street, and Arthur Place,	Lay-out of the streets reported.
Vine Street,	To macadamize, from Westland Street to Love Lane during year 1906,	Filed for execution.
Wilson Street,	To complete sidewalks on, by September 1, 1905,	Order executed.
White Street,	To establish and maintain one series electric lamp on, and Fairview Avenue,	Order executed.
Wethersfield Avenue,	To establish and maintain an arc lamp on, at corner of Standish Street,	Order executed.
Wawarme Avenue,	To macadamize, season of 1906,	Filed for execution in 1906.
York Street,	To macadamize, season of 1906,	Filed for execution in 1906.
Zion Street,	That Street Board be and they are hereby notified to abandon the building of sidewalk on that part of, south of Bonner Street,	Work stopped.
Zion Street,	That walk ordered on west side, be completed on or before September 1, 1905,	Walks made safe for winter.

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REPORT

OF THE

Superintendent of Streets.

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Report of the Superintendent of Streets.

HARTFORD, CONN., April 11, 1906.

To the Honorable Board of Street Commissioners:

GENTLEMEN: — I herewith submit my report of work done by this department from January 1, 1905, to March 31, 1906.

MACADAMIZING.

We have macadamized three miles of new streets the past season (see table for list) making a total of 88 miles of macadam streets in the City. By the purchase of stone for macadam, and its delivery on the streets by the Railway Company, there is a decided advantage and a financial saving to the City. A saving has been made of $5,421.06 during the past season on stone purchased.

Greenfield Street was ordered macadamized during the season of 1906, but, owing to Frankfort Street, which was ordered for 1905, not being ready for macadamizing, the Court of Common Council were requested to transfer the money to be used for Frankfort Street to the grading and macadamizing of Greenfield Street, which was done, and Greenfield Street was graded and macadamized from Vine Street west to Deerfield Avenue.

RESURFACING.

We have resurfaced over 9⅓ miles of macadam streets the past season, not including the streets patched by the District Foremen and rolled. By raising the crown of streets in the resurfacing of same, very general satisfaction is given the public. (See table of streets repaired and re-stoned.)

Gutter stones were removed in Huntington Street the past season when resurfacing street.

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GRADING.

All streets macadamized in 1905 were graded for macadam. The grading of Flatbush Avenue was entirely finished and also macadam on same.

Whitney, Oxford, Beacon, Elizabeth, and Kenyon Streets were completed at an additional expense above the original approximate cost, owing to a change of grade on Whitney and Elizabeth Streets.

Allen Place was not completed, a cut of 5 feet through 200 feet of solid rock being made for the newly established grade. The stone taken from this is being used on the street and will also be used in the building of Park Terrace south of Park Street.

QUARRY PLANT.

The Quarry Plant has been abandoned, and all stone removed. The bottom stone and rubbish was cleaned up and put into Flatbush Avenue. It is now ready for the Park Department. It may be said in connection with the abandonment of the quarry that, by the shutting down of same, no men were thrown out of employment, all of the employees being given work in other branches of this department upon application for same.

BRIDGES.

The north and south piers of the Ford Street bridge were pointed the past season, thus completing the pointing of all the piers of this bridge.

Newfield Avenue and Flatbush Avenue bridges were entirely newly planked. The Boulevard bridge and Commerce Street bridge have been patched.

PUMPING STATION.

One of the most important factors of this department is the pumping station at the corner of Sheldon and Commerce Streets. Its equipment of electric and steam pump is a safeguard against the flooding of the section of the city south of Sheldon Street.

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This equipment is kept up in first-class repair for emergency in cases of flood. We have only used the electric pump the past season a total of 325½ hours.

TURNPIKING.

This work is continued in all dirt roads during the summer season, and about 25 miles of road are shaped up. This includes the streets that are macadamized in the center as well as the all dirt roads.

CROSSWALKS.

The crosswalks are in a satisfactory condition generally about the city, but need constant care and attention. All of the old brownstone walks have been removed and replaced with granite.

SIDEWALKS AND CURBS.

The laying of new flagged sidewalks and setting of curbs the past season have been very satisfactorily done under the newly established rules of the board. It is a saving to the city as well as to the property owner. More notices have been sent out for the repairs to walks, etc., than in former years, and this will continue as rapidly as is possible. A total of 2,258 repairs and new work have been done the past season, — about 1,000 more than in 1904.

TREE TRIMMING AND REMOVING.

We have removed a total of fifty-one trees, and trimmed a great many in the various streets where necessary. It has been our aim to do only what was positively necessary for the benefit of the public. There is more or less criticism made as to the needs of certain trees being trimmed, but it is generally approved of after work is complete.

ASHES, GARBAGE, AND RUBBISH.

An attempt has been made by this department the past season to carry out my suggestion of last year. The Police Department

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deputized an officer for this particular work, and while so employed, improvement was very noticeable. Owing to lack of funds the work was discontinued by the police at the end of one week. We have continued said work by having an inspector follow up teams and instruct tenants in regard to the ordinances governing the disposal of ashes, garbage, etc.

STREET SPRINKLING.

This work has been continued up to its former standard and few complaints made at this office. It is a difficult thing for the contractor to please all the abutting owners, as some want more water than others and some want it sprinkled at one time and some at another.

STREET CLEANING.

This receives more attention and more study than any other detail of the department. Department heads of municipalities in all cities of the country are continually looking for ideas to obtain better results, and exchange ideas by letter and personal observation for the cities' benefit. The condition of a city as regards its pavement and the kind of pavement and the method of cleaning in a great measure governs its cleanliness; for instance:

A Belgian or Granite block pavement must be cleaned by a push broom; a Vitrified Brick or Asphalt block must be cleaned by scraper and broom; an Asphalt pavement by scraper, broom, and hand sweeping machine. All of the above pavements can be flushed providing water facilities allow it.

We propose as far as is possible to flush the down-town streets three times a week the coming season and also continue the hand cleaning, as this is necessary through the daytime. We have now nine of the Sanitary Street Sweeping machines and these we believe are very satisfactory, as they pick up the dust and prevent its blowing around the streets. We shall use in addition to the above, the Rotary Sweeper and also the Steam Suction Sweeper.

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I believe sanitary conditions are improved by the use of can carriers rather than bags. We are adding these as rapidly as possible. They are being used exclusively now in New York, Boston, and other large cities.

The Hartford Street Railway Company, on July 1st, contracted for the cleaning of that portion of the streets lying between their tracks, which was formerly done by this department. This work has been commented on frequently as you well know.

PATROL WORK.

The appearance of our streets demonstrates the very satisfactory work of our street patrol system. The cleaning up of litter of all kinds on macadam streets, and in the down-town section on Sunday is proving very satsfactory.

STREET LIGHTING.

A thorough and careful inspection was made of all of our street lights the past season, and same were found in a satisfactory condition.

IMPROVED PAVEMENT.

The Maintenance Guarantee on improved pavement expired last year on all streets (excepting Pearl). Those streets on which the guarantee expired were repaired by the contractor under supervision of our inspector, excepting Capitol Avenue, which will be done by the contractor as agreed.

State and Asylum Streets were repaired the past season with sheet asphalt (which has been satisfactory). As the blocks are practically worn out, this was a cheaper repair than if made with new blocks and more satisfactory. State from Market Street east was patched with stone, making only temporary repairs, owing to the anticipated changes to be made on this street. Windsor Avenue repairs made by the Street Railway Company are very unsatisfactory, and cannot be improved until a change is made in rail and road bed.

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STREET SIGNS AND POSTS.

All of the street signs about the city were newly painted the past season, making a decided improvement, as some were in very bad condition. Signs have been ordered for streets not having signs, and I am in hope of having them put up the coming season.

STORE YARD.

This department's property on Sheldon Street compares favorably with any city in New England. We have ample room for the storage and care of all property belonging to this department. During a fire in adjoining property, the past season, two of our buildings were slightly damaged; these were repaired and are at present in good condition. There is sufficient room on the lot for any additional buildings that may in the future be needed by this department.

ROAD ROLLER BUILDING.

MACHINE AND REPAIR SHOP.

On June 26th, our new brick building was opened for inspection. This is a model building for the storage and repair of road rollers and for repair of all tools of the department.

All repairs to road rollers, sweeping machines, scrapers, etc., are made in this building and very satisfactory results are obtained, the work being done by department employees and under our own supervision.

Visitors from other cities have visited this building and commend same very highly.

GENERAL NOTES.

The cleaning up of snow has been a very small part of the department's expense the past winter, as the falls of snow have been very light. It has only been necessary to remove snow after two storms, but this has not decreased the cost of street cleaning, as it has been necessary to continue the hand cleaning on the improved pavement with very little interruption.

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The work done on Lorraine Street the past season was not considered in the making up of the budget for 1905, and this money was taken from the regular "Sewer Repair" account.

Repairing of sewers and other underground work is one of the "unknown" quantities in this department, as the explosion in the Interceptor demonstrated the past season. In the improvements made on the east side it was necessary to repair and relay over 80 feet of tile on North Street before the street was raised by the Bridge Commission. In the abandonment of streets on the east side electric lights were discontinued and catch-basins closed up.

IN CONCLUSION.

The pleasant relations existing between the companies and individuals using the streets continues, and their efforts in repairing streets when opened by them is commendable.

The pleasantest relations exist in the department, as is shown by the satisfactory results of its work. I am appreciative of the confidence imposed in the carrying out of the work of the department and the assistance given me by your Honorable Body.

Respectfully submitted,

P. HANSLING, JR.,
Superintendent of Streets.

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Sewer Division.

Catch-Basins — Culverts — Inlets — Intercepting Sewer.

To Philip Hansling, Jr., Superintendent of Streets:

DEAR SIR: — I respectfully submit a report of the work done by this division the past season.

Sixty-two repairs have been made to sewers in different parts of the city caused in some cases by the settling and breaking of tile and in others by the scant use of cement in making joints.

Owing to the extensive repairs made to the Amity Street sewer in 1904, we have had no trouble with this sewer the past season. Twenty-five manholes have been brought to grade where streets were resurfaced. Owing to the improvements on the east side and knowing that the old 18-inch brick sewer in North Street was in bad condition, in order to avoid the possibility of its giving away in the future under the railroad tracks, we removed the old brick sewer and replaced same with 80 feet of new 18-inch tile.

The Nook Farm sewer in the rear of Willow Street broke in for a distance of 50 feet and same was rebuilt; this is a 4-foot sewer, and it will probably be necessary in the near future to make further repairs on this sewer. There are a number of old cement tile sewers that will probably give us a large amount of trouble in the future, viz.: Wooster Street, Harbison Avenue, Warren Street, Goodman Place, and Woodbridge Street; also a number of single ring brick sewers that are in bad condition, viz.: Clinton, North, Canton, Asylum Hill, Pleasant, and Market Streets. These we anticipate will all have to be replaced at some future time with tile.

It was necessary to fill in at the point where the overflow to Charter Oak Avenue sewer empties into the Park River with

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27 yards of broken stone to prevent wash and an unsightly hole at this point at the bank of the river on Sheldon Street.

CATCH-BASINS.

Fifty-four catch-basins were built the past season; 29 of these were of the old style, 19 were Duplex frames, and six of tile with grate frames. Seventy-five repairs were made to old basins. The stone traps were removed and 10-inch quarter bends substituted for same. The 4-inch land tile have been used in making repairs and in all of the new catch-basin work, so as to under-drain curb trenches to basins.

CULVERTS.

In the grading of the section north of Fern Street and west of Girard Avenue, four tile culverts were built; two of 15-inch tile, one of 24-inch tile, one of 12-inch tile, and one of 8-inch iron pipe. On New Britain Avenue at Newfield Avenue, the old culvert across the street had caved in and it was necessary to remove same and replace with 12-inch tile.

Respectfully submitted,

WILLIAM J. SHEEDY,

Ass't Supt. Streets.

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Report of the City Engineer.

HARTFORD, CONN., April 11, 1906.

To the Honorable Board of Street Commissioners:

GENTLEMEN: — I have the honor to submit herewith, a brief resumé of the work of the Engineering Department, for the year 1905. During this period 30 special reports were made upon subjects referred to my department for an engineering investigation. Some of these reports treated subjects requiring a large amount of study and preliminary work, especially those upon "The Underground Wiring System," and upon the "Results of an Investigation Concerning Flood Conditions in Various American Cities," made under instructions from the Court of Common Council.

ALBANY AVENUE IMPROVEMENTS.

Considerable progress has been made upon the Albany Avenue improvements during the past year although not as much as contemplated.

On July 19, 1905, six bids were received for the foundations and substructure of the Highway Bridge over the tracks of the Central New England Railway Company, and the contract was awarded to the George M. Atkins Company of Palmer, Mass., the lowest bidder, for $11,450. This bid was based on a clear headroom of 18 feet. Later, by agreement with the Railway Company, this headroom was changed to 21 feet, and the cost correspondingly increased. The contractor for this work proceeded in a most creditable manner, and received his semi-final estimate on December 23, 1905. One hundred dollars was withheld to cover the expense of a small amount of pointing work which could not be completed last fall on account of the delayed grading contract.

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On July 19, 1905, ten bids were received for the steel superstructure to span the Railway Company's tracks, and the award was made to the Berlin Construction Company, the lowest bidder, for $6,640.00. This work has been partially completed and the material is now stored in the Construction Company's yard. The steel work could easily have been completed and erected last fall, but was held back by the non-completion of the grading contract.

The history of the progress with the grading work is far from satisfactory, and has resulted in greatly delaying the Albany Avenue elimination plan.

Bids were received from four contractors for lowering the tracks of the Central New England Railway Company, on July 19, 1905, and the contract for this work was awarded to Frank Pidgeon of Saugerties, N. Y., for $10,469.00 This contract was approved by the Court of Common Council on August 8th, but the work was not started until September 16, 1905.

Various excuses were given by Mr. Pidgeon for not starting his contract promptly, and for not pushing it more vigorously after it was started. His principal contention seemed to be that he was delayed and handicapped by other uncompleted contracts.

Mr. Pidgeon abandoned his contract on November 14, 1905, after a very unsuccessful attempt to continue it, the work was twice readvertised, and the second contract for completing this work was awarded to Richards & Gaston of New York City, for $19,096.00.

The Fidelity & Deposit Company of Maryland sacrificed their bond of $5,000 on Mr. Pidgeon's contract, and furnished a new bond of the same amount for the second contract. Work was started by the new contractors on December 13, 1905, and has been pushed forward continuously since that time. During the winter months the progress was slow on account of the seasonal disadvantage, but the new contractors are well equipped for this work, are handling it to the best possible advantage, and show a disposition which argues well for the speedy completion of their contract. As soon as it is finished, the steel bridge will be placed upon the abutments, and the grade crossing will be abolished.

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The plans and specifications for the new masonry arch to span Park River and replace the old dilapidated wooden bridge are complete and ready for proposals from prospective bidders. As soon as this contract is awarded, the work will be pushed forward vigorously, and after its completion, the new section of Albany Avenue between Baltimore Street and Scarborough Street will be ready to macadamize. Unless this roadway is hardened before next winter, it will be impossible to use it for vehicular traffic until the following summer.

There is one matter in connection with these improvements which should be settled at an early date. The steel highway bridge has been designed to carry street railway traffic, and the city ought to know whether the Consolidated Railway Company proposes to use this section of Albany Avenue before the flooring system is laid.

ELIMINATION OF GRADE CROSSINGS.

Some progress has been made during the past year upon the abolition of the grade crossings within the city limits.

A plan for eliminating the grade crossing at Garden Street was submitted to the Court of Common Council, and is now before that body for action. This will be the only remaining grade crossing upon the Central New England Railway, after the completion of the Albany Avenue improvements. The plan for abolishing the Garden Street grade crossing provides for carrying the highway over the tracks of the Railway Company, by the same method that has been followed at each of the other crossings.

Preliminary plans have been prepared for the elimination of the Walnut Street crossing, and the hearing has been held before the Board of Railroad Commissioners. At the close of the hearing, this matter was referred to the engineers of the New York, New Haven & Hartford Railroad for a study of the solution of this problem from the Railroad Company's standpoint. It will probably take some time to arrange the preliminary details for this work. This is the first attempt within recent years to eliminate a grade crossing where the adjoining property is so largely

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built upon, and no idea can be formed in advance of the cost of the property damages involved.

The Walnut Street bridge and the approaches thereto will cost, exclusive of property damages, from sixty to seventy-five thousand dollars, depending upon the type of bridge and flooring system approved by the Board of Railroad Commissioners. When this work is completed, one of the most dangerous crossings within the city limits will be abolished.

FRANKLIN AVENUE SUBMERGED SEWER OUTLET.

The long delayed contract for the extension of the Franklin Avenue submerged sewer outlet was completed by the Hartford & New York Transportation Company, at a cost of $1,850.40. The outlet for this large drainage basin is now out to the deep water channel of the Connecticut River where the current is swift, and well below the entrance to the Wethersfield Cove, so that no further trouble is anticipated from the set back of sewage into the Cove.

INTERCEPTING SEWER.

No extensions of the intercepting sewer were built during 1905, but those previously built appear to be working satisfactorily except a few storm water connections which should be slightly modified during the coming season to reduce the pressure upon the interceptor during hard storms.

LAYING OF PRIVATE DRAINS.

Forty-seven licenses were issued under the Drain Layer's Ordinance, and 624 sewer permits were taken out during the year by these drain layers. Since this ordinance was put into effect on May 15, 1903, 1,060 private drains have been laid under inspections from my office. Each drain is platted after it is laid, and a card index is now being made, giving reference to all of the information pertaining to these drains, so that it can be readily found when needed. I consider this work of great importance to the office, and as very few complaints have been made since this ordinance was put into operation, I assume that it is working quite as successfully as anticipated.

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MERESTONES.

During the past year, 203 merestones have been furnished and set to define the public highways of Hartford, at a cost of $853.51, exclusive of engineering expenses. This work was started in 1902, and up to January 1, 1906, 800 stones have been set.

The number set each year has been, in 1902, 209; in 1903, 96; in 1904, 292, and in 1905, 203.

Sufficient progress has been made with this permanent definition of the highways, to clearly demonstrate its great value to the city, as a basis for accurate engineering work.

PARK RIVER BUILDING AND VERANDA LINES.

Under the authority conferred by the Special Act "Amending the Charter of the City of Hartford" concerning the establishment and maintenance of uniform building of bulkhead lines in the waters adjoining Park River, action has already been taken towards the establishment of such lines on the northerly side of Park River, between Main Street and Bushnell Park; also on the westerly side between Capitol Avenue and Laurel Street. Both of these matters are now before the Court of Common Council, and their final establishment will undoubtedly be completed at an early date. Other sections of the river will be protected by the lay-out of similar lines as soon as convenient.

RIVER FRONT INTERCEPTOR.

Work upon the River Front Interceptor and Flood Protection Works for the East Side has made marked progress during the past six months. The Court of Common Council appropriated $1,000 for a preliminary investigation, and surveys have already been made of about 200 acres in the South Meadows below Wawarme Avenue, where the pumping plant and filtration works would naturally be located. The entire district between the Valley Railroad and Wethersfield Avenue, and south of Wawarme Avenue has been surveyed with the idea of filling and draining this area sufficiently to eliminate the mosquito nuisance and make this section more healthful and habitable.

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This work is closely related to the river front problem, and it can probably best be treated as a part of it. Maps are nearly completed of the entire area along the Connecticut River from Wawarme Avenue northerly to the pumping station of the Hartford Water Works in Riverside Park. These maps when finished will form the basis for the location of the river front interceptor, and the various computations which will be necessary for the different alternative schemes which will naturally suggest themselves for the permanent abatement of the river flooding nuisance.

SEWERS CONSTRUCTED IN 1905.

In comparison with previous years, the sewer work of 1905 was quite small, the total length being 1.44 miles, and the total cost but $15,115.73. Sewers were built by the city in eight streets, viz.: Cottage Place, Lorraine Street, Mather Street between Garden Street and Vine Street, Putnam Heights, Vine Street northerly from Mather Street and southerly from Westland Street, Ward Place, Westland Street between Gully Brook and Vine Street, and Windsor Street between Warren Street and Dewey Street.

Sewers were also built by private parties under the Drain Layer's Ordinance in Earle Street, McKinley Street, McLean Street, Ward Street Extension, and York Street.

The total length of sewers now in use is about 107.08 miles. The system consists of 54.13 miles of brick sewers; 48.24 miles of vitrified tile; 1.83 miles cement tile; 1.97 miles of cast-iron pipe; one section of ancient Bolton stone box, and a small amount of modern concrete-steel culvert.

There are 1,784 manholes, 1,974 catch-basins with 6.22 miles of connections, and 5,974 six-inch house connections from the main sewer to the curb lines, aggregating 18.02 miles in length.

Including $131,594.24 for each new catch-basin built since 1872, and $11,787.20 for ventilating manholes added since the old sewers were built, the total cost of the sewerage system of Hartford has been about $1,853,677.91.

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SEWERS PROPOSED FOR 1906.

The season of 1906 bids fair to be one of much activity in sewer construction. Contracts have already been let for sewers in Portland and Avon Streets, Benton Street, New Britain Avenue (Extension of Interceptor), Otis Street and Putnam Terrace, estimated to cost $16,853.90.

The construction of the Windsor Avenue system at a cost of $55,307.12 has been authorized, and bids will soon be received for this work.

The Elizabeth Park sewer system, and sewers in Marlborough Street, School Street, and the lower end of Franklin Avenue will probably be authorized and built during the season. The construction of the sewers above enumerated will cost about $100,000.

STREET RAILWAY RAILS AND TRACK CONSTRUCTION.

On February 21, 1906, a lengthy report was presented to the Board of Street Commissioners and the Joint Standing Committee on Railroads of the Court of Common Council, upon the subject of Street Railway Rails and Track Construction. On account of the great importance of this subject, and the interest it has aroused in Hartford and other American cities, a copy of this report with all the correspondence from city engineers and railway operators, is attached to, and made a part of the City Engineer's report.

STREET SPRINKLING FOR 1905.

The following table gives an idea of the street sprinkling work under municipal management, and show a slight increment each year:

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Year.	Length in ft.	Length in miles.	Total cost.	Cost per mile.
1899	234,273	44.37	$ 20,886.17	$ 470.73
1900	250,270	47.40	26,368.84	556 30
1901	246,874	46.75	22,912.05	490.09
1902	254,499	48.20	23,574.94	489.10
1903	262,844	49.78	24,424 88	490.56
1904	267,413	50.64	24,937.30	492.44
1905	269,636	51.07	25,149.56	492.45
Average	255,116	48.32	$24,036.25	497.40

Length in miles of each classified width sprinkled annually for the past seven years.

Year	15ft.	20ft.	25ft.	30ft.	35ft.	40ft.	45ft.	50ft.	60ft.	Total miles.
1899	.24	5.17	11.33	18.96	3.96	4.23	.29	.11	.08	44 37
1900	.24	1.07	16 25	18.69	5.42	3.19	2.35	.11	.08	47.40
1901	.24	1.61	16.21	18.03	5.45	2.94	2.08	.11	.08	46.75
1902	.24	1.67	16.43	19.51	5.14	2.94	2.08	.11	.08	48 20
1903	.24	1.67	16.57	20.21	5.49	3.08	2.33	.11	.08	49.78
1904	.24	1.87	16.09	20.22	6.34	3.34	2.33	.11	.08	50.64
1905	.24	1.87	16.02	20.70	6.36	3.35	2.33	.11	.08	51.07
Average	.24	2.13	15.56	19.48	5.45	3.30	1.97	.11	.08	48.32

WIRES UNDER GROUND.

After a careful study, extending over many months, a detailed report was presented to the Board of Street Commissioners, upon "The Underground Wiring System of the City of Hartford, with Recommendations for Future Extensions." This report has been forwarded to the Court of Common Council with a proposed ordinance, and is now before that body for action. Since the presentation of this report, under instructions from the Board, I have had a careful inspection made of the original district one-half mile north, south, and west of City Hall, with a result that but four streets were found entirely free of overhead wires. By vote of the Board on March 28th, I have sent notices to each corporation still maintaining overhead wires, to remove all of them within this area before October 1, 1906. If this order is not complied with by that time, a secondary notice

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will be issued, containing a warning clause that unless removed by November 1st, the Board of Street Commissioners will consider the remaining overhead wires unclaimed and unused, and order them cut down.

No progress can be made upon extensions of the underground system except by the companies voluntarily, until the Court of Common Council passes an additional ordinance, because the existing ordinance only prescribed for ducting overhead wires during the ten-year period from June 22, 1895, which expired by limitation on June 22, 1905. Much interest has been aroused by this special report upon underground wiring, outside of the city of Hartford, and I have had many requests for copies of it from other cities interested in this important work.

FREDERICK L. FORD,
City Engineer.

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Report on Street Railway Rails and Track Construction.

HARTFORD, CONN., February 20, 1906.

BOARD OF STREET COMMISSIONERS,
JOINT STANDING COMMITTEE ON RAILROADS,

Gentlemen: —

On January 17, 1906, Vice-President Calvert Townley, General Manager J. K. Punderford, and Engineer Ely M. T Ryder of the Consolidated Railway Company were heard regarding their proposition for a change in the type of rail used for street railway construction in Hartford, and for a modification of the agreement made with the Hartford Street Railway Company on March 11, 1901. This agreement specified that "whenever and wherever hereafter any new tracks or rail shall be laid by the said Company in said City, or any of the rails now in use in the street railway tracks of said Company in said City, shall be replaced with other rails, the said Hartford 'Standard Grooved Rail' shall be the only rail so laid, excepting only in the case of such 'special work,' so-called, as is necessary upon curves, turnouts, switches, and crossovers, and in case of ordinary repairs." Several plans were introduced by the railway officials to illustrate different schemes for paving adjacent to the railway tracks in case T rails should be adopted by the City.

At the conclusion of the hearing "on motion it was voted to refer the whole matter to the City Engineer for examination and report at his earliest convenience on the matter of rails, construction, etc."

Since the receipt of these instructions, I have given this subject much consideration (much more than I had anticipated) because I have found it to be a most puzzling proposition. It brings to the front two vexatious problems, over which there has always been a great diversity of opinion between street railway operators and the city officials, viz, — the best type of rail

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and the kind of wheel tread and flanges best adapted for street railway purposes.

In 1901 when the grooved rail agreement was executed, the rail question was thoroughly discussed, and the rail agreed upon at that time as the standard, was what was considered the best type of rail to meet the local conditions and requirements. But since then conditions have greatly changed. The Consolidated Railroad Company has purchased the local street railway system, high speed interurban trolley service has grown in magnitude and importance, and you are again called upon to solve the same problem to meet these new requirements.

The Consolidated Railway Company has stated through its representatives that it is desirous of introducing a combination railway service for Hartford and its adjoining towns located upon its steam railroad lines, which is certainly unique in American railroading. It proposes to equip certain tracks upon its railroad lines radiating from Hartford with overhead trolley, to run upon such tracks high speed interurban cars, and for its Hartford terminal system to operate these cars over the local tracks by such routes or loop lines as may later be agreed upon. So far as I can learn, there is no city in the United States where such a system is in successful operation at the present time. This is perhaps due to the fact that there are few cities outside of Connecticut where the railroad systems are so completely monopolized. If such a combination service is inaugurated here, the eyes of all railroad men and city officials will be focused upon its development. With the present rails in use in Hartford, it is impossible for the Consolidated Railway Company to operate these interurban cars over the local tracks with Master Car Builders' wheels, which they claim are necessary for the high speeds which they wish to maintain upon their steam railroad tracks.

M. C. B. Wheels Not Necessary for High Speeds.

If there is any place in the United States where high speed interurban trolley service has been developed to a high state of perfection, it is in the Middle West, especially in Ohio and Indiana. There are interurban lines radiating from Cleveland, Columbus, and Indianapolis, where cars from 50 to 65 feet in

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length (as long as an ordinary passenger coach on a steam railroad and about as heavy), are run as fast as 60 miles an hour over their private rights-of-way outside of the city limits. This is about as fast as the average American cares to travel, and it is worthy of notice that upon these cars there are no wheel flanges deeper than 1 inch and some not over 7/8". (M. C. B. being 1 1/8"). The width of tread of most all of them is 3 inches.

I claim, therefore, that M. C. B. wheel flanges are not necessary for high speed interurban service. They may be necessary for the successful operation of trolley cars upon steam railroad tracks, but I doubt it, if properly constructed and maintained spring frogs are used at the crossings where derailment would naturally occur. This is a question which must be tried out to demonstrate whether this assertion is right or wrong, but I cannot see why the City of Hartford should take all of the chances on these experiments and the Consolidated Railway Company none. That is just what the city would do if it adopted T rails for general use, and M. C. B. wheels were used on the interurban cars. If then, M. C. B. wheels are not necessary for high speed interurban service, I cannot see why track construction which would permit of their use should be requested.

I cannot see why these interurban cars cannot be operated successfully over the local and steam tracks with wheels having smaller flanges, preferably the "N. Y. modified," but not exceeding the "Keystone modified" standard, both of which are shown in a print attached to this report.

T Versus Grooved Rails.

With the rapid growth in the size and weight of trolley cars there has been a gradual substitution of heavier rails for the lighter types originally laid. This has become necessary on account of the great development in the size and weight of trolley cars in general use. It seems to have been the experience of almost every American city to try out about every kind of rail rolled, but at the present time there is a marked tendency toward the adoption of two kinds of rails for standard street railway construction, the T and the Grooved sections. From the correspondence appended to this report, which Mr. Ryder and myself have had with Street Railway and City Officials, we find that T

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rail construction is extensively used in Indianapolis, Denver, Terre Haute, Minneapolis, St. Paul, Milwaukee, Scranton, and in most of the larger Connecticut cities.

The Grooved rail, either full or partial, is used in Louisville, Baltimore, Washington, Richmond, Cincinnati, Detroit, Cleveland, Columbus, Buffalo, Rochester, New York, Brooklyn, Springfield, Worcester, Woonsocket, Providence, Boston, and Cambridge. Two striking deductions can be drawn from this information, first, that T rail construction is gaining in favor in the western cities especially west of Ohio, the Ohio and Mississippi Rivers, and Grooved rail construction in the eastern cities except in Connecticut, where T rails seem to predominate in most of the cities, much to their discredit.

Now it appears to me that there are two conspicuous reasons why T rail construction is gaining in favor in the West and Northwest. First, because the streets in those cities are very wide, many of them being from 75 to 100 feet between curbs, so that it makes very little difference what kind of a rail or track construction is used, provided it will carry the street railway traffic imposed upon it. The space occupied by the tracks is practically unused by vehicles except at street intersections or where teams are obliged to cross it. Secondly, on account of the length and severity of the Winter seasons the argument against snow and ice obstructions in grooved rails receives more consideration than in the Southern and Eastern cities.

For exactly opposite reasons the grooved rail has practically become the standard in eastern cities, and T rail construction will never become a favorite. The eastern cities have inherited street systems which are notoriously narrow and crooked, and cannot sacrifice for railway purposes entirely the space necessary for their tracks. Everyone admits that street railway tracks in any city street are a nuisance, but a necessary evil. If we are to have street railway cars, we must have street railway tracks. The duty of all city officials is to see that rails are adopted which shall be of little obstruction to vehicular traffic, and that the track is as perfectly constructed as possible.

Rails with grooves of sufficient depth and width to accommodate M. C. B. wheel flanges would, in my opinion, be objectionable

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on straight tracks, and on curves, the guard rails wide enough to let these big wheels turn easily would be a positive nuisance.

In Charlestown, Mass., Mr. Ryder and myself were shown a curve with 200 feet radius where the guard rail had to have a groove 2 inches wide to take elevated trains with M. C. B. wheels. On some of the sharp curves in Hartford, the grooves would have to be so large that if wagon wheels got into them they would be compelled to follow the curves to the end to get out again.

During the past year, the Boston Elevated Railway Company laid a special groove rail on Boylston Street as an experiment, to meet the same conditions confronting the City of Hartford. This company found that the wheels of the interurban Boston & Worcester cars which enter Boston over the local tracks were cutting out the special work very rapidly, and to overcome this difficulty, had 1,000 tons of new rail known as "Girder rail No. 6" rolled and laid. This rail is very much like the Philadelphia Rapid Transit Standard Rail.

A sample section of the Minneapolis T rail construction was also laid on Boylston Street in 1904. Mr. A. L. Plimpton, Chief Engineer of the Boston Elevated Railway Company, in describing this work in an article in the Street Railway Journal of February 4, 1905, says that "Although the high T rail has been in use in paved tracks in other parts of the country for some time, particularly in the West, the Boston Elevated Railway never seriously considered using it on its system until this last summer. The attention of some of the officers of the company was called to it in Minneapolis while visiting that city. They were so much pleased with its appearance and its perfect construction, that the final result has been that several lengths of it have been laid on the Boston system." He further says, "It should not be supposed for a moment that on any narrow streets where there is heavy team traffic, this form of construction would prove to be durable, as in such places, ruts of irregular depth would before long be formed alongside of the rails. The places selected for trial, therefore, were either where there is very little team travel on the street generally, or where the cars run so frequently, and where there are such good roadways that the teams keep off the tracks, as is the case on Boylston Street."

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T Rail Construction Hard on City Pavements.

Mr. Plimpton claims that the use of T rails is very expensive from the Railway Company's standpoint. If granite paving is used between the rails, the increased first cost of the special blocks necessary to form the groove for the flanges, and the continual expense for repairing the deep ruts made under Boston traffic is a very expensive proposition for his company.

Worcester and Springfield have each passed through a similar experience with granite paving adjacent to T rails, and abandoned their use as being a public nuisance. If granite paving will not stand up against T rails under the vehicular traffic of the narrow congested streets of our eastern cities, it seems to me that their use is entirely out of the question.

Paving Adjacent to Railway Tracks.

My observations lead me to believe that no pavement made or laid can stand up against T rails under heavy traffic. By the use of grooved rails, much more satisfactory results can be obtained, although there is a limit to the life of any pavement under a severe test, as when laid against iron or steel obstructions in city streets.

I do not believe that any kind of a pavement can be laid down as a standard for all kinds of traffic. The width of each street, its direction and location, the kind of vehicular traffic, and many other factors must influence the decision. There is one matter I am convinced upon however, and that is the fact that as our cities grow much more attention will be given to the sanitary and noiseless features of city pavements, and less attention to their wearing qualities and cost. These pavements are modern luxuries at best, but unsanitary pavements will receive less consideration from now on, and noisy pavements will be classed as public nuisances responsible for much of the clatter and noise which is so objectionable during the long night hours, to high-strung, nerve-worn Americans, especially in densely populated cities. Much attention will be given during the next 10 years to eliminate many of the street night noises, and those caused by poor pavements, worn out street railway tracks, and cars with flat wheels and noisy equipment will come in for their share of the criticism. The selection of suitable pavements, therefore,

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narrows down to a choice between two or three now in use, and the selection must be influenced largely by the local conditions.

One, or Two Kinds of Grooved Rails Desirable?

If a modification of the Hartford Standard Grooved Rail should be agreed upon, it is a question whether it is necessary to use it upon all of the local lines. It might be possible to use it upon all of the interurban loop lines and a lighter and less expensive rail with a shallower and narrower groove for the remainder of the local tracks. My impression is that if these interurban cars are to operate over the local tracks, it would be advisable to have all of the tracks eventually constructed with the same type of rail.

There is a distinct advantage to any city in the unification of all trolley lines and the adoption as far as possible of acceptable standards. If wheels approaching the M. C. B. standard should be used upon the interurban cars for Hartford, and grooved rails to accommodate these wheels should be adopted, it is probable that within a reasonable time all of the local cars would be equipped with the same kind of wheels to avoid excessive wear upon the special work which is very pronounced where several kinds of wheels are in use.

Standard Wheel Tread Problem.

In discussing this subject, Mr. Thomas B. McMath, Chief Engineer of the interurban lines radiating from Indianapolis, says, "Perhaps the most trying feature of track maintenance in Indianapolis is the adjustments of gage and special work to fit it for wheels of all varieties. In this city are found all kinds of wheels, from 5/8 inch flange and 2 inch tread up to the M. C. B. with 1 1/8 inch flange and 4 inch tread. If the guard rail on a curve is placed with the proper width of groove for the big flange, the 5/8 inch flange wheel can never touch the guard rail unless the wheel on the other end of the axle is riding with its flange on the rail. On the other hand, if the guard rail is set with reference to the little flange, the big flange will ride up on top of the guard rail. We have made it a practice on curves where rolled sections are used, to gage curves 4 feet 8 3/8 inches,

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and where we have been able to get this condition, we have had no derailment trouble, although the big wheels squeak, and it takes power to send them around. Such places we keep well greased. The outcome of this condition is that the interurban lines must be reasonable about their wheel flanges, and use a flange not over 1 inch deep x 1 5/16 inches thick, so that guard rail sections can be used, and then, *all wheels on city cars should be made to conform.* The saving in special work renewals would pay for changing all the wheels in two years, the addition of ½ inch on the width of tread of city car wheels, would immediately add 50 per cent. to the life of every frog and switch in the track."

The Street Railway Journal says in an editorial upon this subject, that "The present tendency is undoubtedly to increase the size of wheel treads and flanges gradually, and to alter the special work to correspond to these new sizes. The change is necessarily slow and consists of adding a little here and a little there as opportunity offers. But it is a long way from even a ⅞ inch depth of flange to the M. C. B. standard of 1⅛ inch, with corresponding greater width. Few who talk of it realize what a change it would mean in city track work."

Arguments Against Grooved Rails.

The two principal arguments used by Railroad operators against the grooved rail are the difficulties encountered from snow and ice and from loose stones getting into the groove. If street railway tracks are placed in the center of city streets where they belong, and at the summit of the crown in the street, and are properly drained, the difficulty encountered from snow and ice accumulations is greatly minimized. As for the loose stone argument upon macadam streets, I can only say that there should be no loose stones kicking around upon a properly constructed and maintained macadam pavement.

The Consolidated Railway Company has submitted a plan for laying a double line of granite stretchers on each side of the rails for T rail construction. If the same precaution is used with grooved rail construction, I do not believe they would experience much trouble from loose stones on macadam pavements.

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Reasons for Center Location.

I have always advocated a center location for street railway tracks in city streets, for four important reasons, —

First, because it encourages a symmetrical development of the street and avoids the lop-sided appearance which predominates with side locations.

Secondly, because it properly divides vehicular traffic, encourages a strict observance of the rules of the road, and decreases the liability of accidents.

Thirdly, because it places the Railway Company in a position where it is obliged to perform its full duty to the public regarding the maintenance of the pavement adjacent to its tracks. Hartford has been very unsuccessful in its attempt, or else the attempt has been but half-hearted, to compel the local street railway company to keep the space occupied by its tracks, where they are on a side location, in usable condition for vehicular traffic. As a result of this failure on the part of the city officials, there is hardly a foot of side location track in Hartford which can be used by teams, especially on streets like Fairfield Avenue, New Britain Avenue, and Blue Hills Avenue, and as far as its use by the people of Hartford is concerned, it might just as well be fenced off and given over entirely to the Railway Company. I claim this policy is radically wrong. The city loses not only the use of this space, but it is continually carrying a dangerous risk, for there is nothing to prevent teams from driving on to these tracks in the night time, and meeting with serious accidents because in most cases the rails project for their full height above the roadway like a steam railroad track. If this space was fenced off, the city would at least avoid this risk.

Fourthly, the center location not only places the railway tracks where the company is obliged to keep the pavement adjacent to its tracks in as good condition as the rest of the street, but where perfect drainage can be obtained. For this reason alone, it is better for the railway company and better for the city. The streets can then be symmetrically crowned, properly drained, completed from curb to curb, and the public has the use of the entire street, a privilege which it is fully entitled to.

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Conclusions.

From my study of this question, I have arrived at the following conclusions:—

First, the City of Hartford should not further consider the use of T rails, but should insist upon the use of grooved rails within the city limits upon all new track laid, upon all streets which shall hereafter be paved or repaved with improved pavements, and whenever and wherever the present rails in use shall be replaced by new rails. The adoption of T rails for Hartford, would, in my opinion, turn back the wheels of progress for many years. If the other Connecticut cities want T rails, let them have them, but the Capital City of Connecticut should not adopt as a standard for its streets any inferior type of rail.

Secondly, the type of grooved rail to adopt as a standard should not be decided upon until we have tried out some experiments with the combination service which the Consolidated Railroad Company wishes to inaugurate. My opinion is that this standard lies between the Hartford standard and the new "Boston standard" grooved rail. I should like to see a section of the Boston rail laid upon some street in Hartford this summer and have the Consolidated Railway Company experiment with interurban cars over their steam lines, equipped with different kinds of wheel flanges, and see if we cannot decide what flanges are necessary for public safety and high speeds with such a combination service. I am very favorably impressed with the Boston rail and have seen it in use on Boylston street. The head of this rail is ¾ inch wider than the "Hartford Standard," and this would be an advantage if wider wheel treads were to replace the present narrow ones. The groove is slightly deeper and the whole rail is heavier and stronger, weighing 125 pounds per yard or practically 22 pounds more than the Hartford rail (I have attached hereto a cross section of the head of the Hartford rail superimposed upon the Boston rail), which will give you a clearer idea of the exact difference in the two rails; also the same comparison with the Philadelphia Rapid Transit Standard Rail, 137 pounds per yard.

Thirdly, the City of Hartford should insist that the tracks upon Fairfield Avenue, Blue Hills Avenue, and Park Street be-

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tween Laurel Street and Bartholomew Avenue be changed from side to center locations within the next two years, and that hereafter only center locations should be allowed.

Fourthly, no kind of paving adjacent to the Street Railway tracks should be adopted as a standard, but this question should be decided by the Board of Street Commissioners for each particular street upon which tracks or permanent pavement are to be laid.

During the past year in connection with my western trip to investigate flood protection works, and a recent visit to Rhode Island and Massachusetts, I have personally inspected street railway rails and track construction in 37 American cities. This trip included visits to Cleveland, Detroit, Indianapolis, and Columbus, the storm centres for high speed interurban trolley service.

The conclusions contained in this report are based upon these observations and the correspondence which I have had with various railway and city officials, and if I have erred in my judgment of what Hartford should insist upon to meet these new conditions, it has been upon the side of public safety and caution, and in the interests of what I believe are the people's rights in the public streets.

Respectfully submitted,

FREDERICK L. FORD,
City Engineer.

NEW HAVEN, CONN., February 1, 1906.

MR. FREDERICK L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir: —

Replying to yours, I would say that we use the T rail in all of our street railway construction for the reason that we have been unsuccessful in some of our past efforts to have the grooved rail adopted, but the matter is bound to come up again. I have always been a strong believer in the use of the grooved rail in city pavements, although we have had no direct experience here. We find our asphalt pavements especially expensive in mainte-

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nance along the inner side of the rails when laid directly up to the rail. Our brick pavements also where the traffic is heavy wear badly along the inner side of the rail.

Very truly yours,

C. W. KELLY,
City Engineer.

WATERBURY, CONN., January 24, 1906.

MR. F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir:—

Replying to your inquiry of January 23d in regard to my views as to the relative desirability of T or grooved rails for use in street railways, I would say that the grooved form of rail should always be used in paved streets. Whether or not it is best to insist on the groove in macadamized streets depends largely on local conditions. Very often it would be proper to have them laid on such streets. So far we have only asked that agreements covering laying of tracks in macadamized and gravel streets include a provision for the substitution of grooved for T rails whenever the City shall lay permanent pavements.

There can be no question that the grooved rail offers far less obstruction to the use of roadways by ordinary vehicles than does the T rail. Nor does it appear from experience here that the grooved rail causes an appreciable amount of extra trouble in operation, either from dirt or ice.

Yours very respectfully,

R. A. CAIRNS, C. E.,
City Engineer.

INDIANAPOLIS, January 27, 1906.

MR. FREDERICK L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir:—

Your letter of the 18th, to Mr. McMath, has been referred by him to me for reply.

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I am sending you today under separate cover, Blue Prints of the different types of rail which we are using at present in this city, also a Blue Print of the latest type of construction designed for the loop into our Terminal Station over which our interurban cars operate.

In reply to your question, regarding width of tread and depth of flange, would say that the largest cars coming into the city have a three-inch tread, one-inch depth of flange, and one and three-eighths-inch thickness of flange.

Hoping that this information will be of some interest to you, I am, Yours very truly,

T. C. RODERICK,
Assistant Engineer.
(Indianapolis Traction & Terminal Company.)

TERRE HAUTE, IND., January 25, 1906.

Consolidated Railway Company,

MR. E. M. T. RYDER, ENGINEER, NEW HAVEN, CONN.,

Dear Sir:—

Replying to your letter of the 20th addressed to Mr. Smith, in reference to our experience with track in paved streets, we are pleased to give you the following information:

1st. Our track is entirely "T" rail, laid in brick, creosoted wood block and asphalt pavements, there being in every instance special nose bricks laid next the rail. In one instance, on 1,000 feet of track in Brazil, Ind., we have, as an experiment, used the ordinary vitrified paving brick laid lengthwise under the ball of the rail, instead of using the nose brick, as has been customary. With this nose brick construction in pavement next to the rail we have had no difficulty with flanges on interurban car wheels. The only trouble experienced with these nose bricks is that they are sometimes broken at the nose due to heavy teaming over them, or possibly from vibration from the cars. It is for this reason that we have experimented with ordinary paving brick, as stated above.

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2d. We favor "T" rail construction under the conditions existing here, and have heard of no dissatisfaction on the part of the city.

3d. We see no objection to the construction as proposed, namely, as set forth in the last paragraph on the first page of your letter, and would say in connection therewith that we accomplish practically the same thing with the use of the nose brick aforesaid.

4th. On our high speed cars we use a solid steel wheel with 7/8" flange and 3" tread.

We do not run any cars on lines operated over by steam trains.

Trusting this information is what you desire, we are,

Yours very truly,

TERRE HAUTE TRACTION & LIGHT CO.,

GARDNER F. METS, *Manager*,

C. T. M.

LOUISVILLE, January 27, 1906.

MR. F. L. FORD,
CHIEF ENGINEER, HARTFORD, CONN.,

Dear Sir:—

Your letter of recent date to the City Engineer of our city was referred to the writer to answer. In reply will say that as fast as our old Center Bearing Girder rail wears out and where the city reconstructs streets, we are required to lay a 9" grooved section either with tie construction two feet from centers, or the concrete beam construction ties 5 feet apart. Our track construction is of the best, we cannot afford to do otherwise. Tee rail I think is the best rail used, either for City or Interurban Lines. In the city where you have the blocks to fit the rail it will make a good job. Am not allowed to lay tee rail on paved streets.

Yours truly,

CHARLES L. CHRISTOPHER,

Supt. Construction Louisville Railway Co.

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BALTIMORE, January 19, 1906.

FREDERICK L. FORD, ESQ.,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir: —

Replying to your favor of the 18th inst., under our law the Street Railway Company must lay a rail which will be satisfactory to this Department.

I hand you herewith a sketch of the rail that they lay, and regret that I have not a detailed drawing, so that you could have it reproduced in rolls if you so desired.

With this rail the paving is brought up flush to the rail on both sides, and the web space is filled in with brick and cement mortar, so as to give a good bearing for the paving material. I prefer the grooved rail to the "T" rail. In my opinion, a "T" rail would make rather bad construction in a paved street.

Very truly yours,

B. T. FENDALL,
City Engineer.

WASHINGTON, January 22, 1906.

MR. F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir: —

In reply to your letter of January 18th, requesting information in regard to street railway rails, etc., I would state that the approval of the type of rail to be used by street railroads, is, among other things, placed by law under the control of the Commissioners of the District of Columbia. All street railroads within the city limits are of the underground type, the existing law not permitting the use of the overhead trolley within the city limits. The Commissioners have never approved any but the grooved rail construction, and most of the rails have been

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limited to one-inch width of groove, although of late years some few have been permitted with a slightly wider groove.

Very respectfully,

JOHN RIDDLE,

Major, Corps of Engineers, U. S. A.,
Engineer Commissioner, D. C.

CAMBRIDGE, MASS., February 9, 1906.

MR. F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir:—

Your favors of February 6th, received, and I will endeavor to give you such information as I have upon the subjects referred to.

First: In regard to the street railway rail and track construction.

The type of rail, kind of paving and general style of construction of track, is a matter of agreement between the railroad and the city authorities. This matter is generally adjusted when the location of the track is granted.

I enclose an order which is of the usual type.

With regard to the rails, various types are used here; where no pavement other than macadam exists, a so-called "tram girder rail" has been used. This rail is about seven inches deep, weighs from 70 to 80 pounds per yard, is placed upon longitudinal sleepers with iron cross ties or rods about every five feet. The railroad paves between the rails of the track with such pavement as may be agreed upon; usually granite blocks, and generally for a distance of about 18 inches outside of the rails. This relates to a macadam street.

If the street is paved, the railroad places between the rails only a pavement similar to that used on the rest of the street.

Two streets have been constructed the past year on a somewhat different basis. The rail used has been a half-groove girder rail weighing about 95 pounds per yard, 8¾ inches deep. The pavement in this case was "Warren's Bitulithic," and by an arrangement with the street department a row of granite blocks

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provided by the city was set by the street railway company on each side of each rail; between this row of blocks in the tracks a bitulithic pavement was placed by the railroad. The entire remaining portion was paved with bitulithic by the city. This makes an excellent pavement, and it is expected that the use of the granite blocks will reduce the tendency of the vibration of the rail to disintegrate and destroy the pavement adjoining; a very common defect in homogeneous pavements.

With regard to "T" rail construction, we have not used that lately, although some of the older track is constructed with what was called the "Longstreet" girder rail. This rail was seven inches deep, and I think weighed about 70 pounds per yard. It never was popular or successful. The "T" rail is used, however, in reserve spaces with success. Here it is placed upon sleepers with the rails stayed by rods every five feet, and the track ballasted with either cracked stone or gravel, surfaced up with loam and sod. This style of construction is very popular both with the railroad, and where the width of the street is suitable, with the public.

If there is any further information I can give you, I should be happy to on request.

Yours very truly,

L. M. HASTINGS,
City Engineer.

SPRINGFIELD, MASS., February 3, 1906.

MR. FREDERICK L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

My Dear Sir:—

Since our introduction of electricity as a motive power for propulsion of street-cars in 1890, we have tried several patterns of street-car rail, and for use on city streets paved or macadamized have discarded all the patterns first experimented with, and adopted the full grooved girder pattern known here as the "Metropolitan" rail.

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Our first experiment was with the so-called "T" rail, which was laid throughout our city and was maintained for a few years only, as its use was attended with most unsatisfactory results, especially in paved streets. The combined action of the car wheels and the wheels of ordinary vehicles rapidly produced a deep rut against the railhead which was decidedly disastrous to ordinary vehicles, and the complaints were loud and numerous on the part of the traveling public against what was commonly proclaimed as a most decided nuisance.

Our local street railway company promptly responded, and for a few years expended much time and money in a fruitless attempt to patch up the matter by the adoption of numerous devices looking to the correction of the difficulty, but all experiments proved futile.

We consequently gave up this form of rail in paved streets, and have since employed exclusively the full grooved pattern, which seems to be generally conceded as the best known pattern for all interests concerned.

We do not regard the "T" rail as suitable for use except in outside dirt or gravel roads.

Yours very truly,

CHAS. M. SLOCUM,

City Engineer.

WORCESTER, MASS., February 5, 1906.

MR. F. L. FORD,

CITY ENGINEER, HARTFORD, CONN.,

Dear Sir:—

Replying to your letter of February 3d, relative to the use of T rail in this city and our experience with it will say, that some few years ago we had several miles of T rail construction, some of which was on streets of considerable traffic. The space between the rails and for eighteen inches outside was paved, and on the more important streets granite block was used. No great time elapsed before the tracking of teams had worn the stone blocks at the gauge of the rails several inches in depth,

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and the breaking of carriage wheels was of frequent occurrence. If a wheel happened to drop into one of these ruts it was a most difficult matter to get out again without a mishap. It was particularly dangerous to the rapid passage of fire apparatus, and the complaints becoming so numerous its continued use was out of the question. Finally it was all taken up and replaced with a heavy girder rail having a tram head, so that today within the thickly settled portion of the city there are no T rails in use. On some of the suburban roads where the track is placed on the side of the street and without the line of travel, T rail is sometimes allowed, but within the city proper its use is not permitted either with or without pavement.

Some four or five years ago the tracks on some of our principal streets were relaid with a rail of sufficient weight to more properly sustain heavy electric car travel, and the form of rail adopted was a half groove, which is giving very good satisfaction and is generally liked. This form prevents the wheels of wagons from dropping into the groove, and its shape is such that narrow carriage wheels easily roll out of it without pinching. I think generally speaking this has proven to be the most satisfactory rail we have yet used.

I am not able to give you the proportion of grooved rail in the city's mileage, but there are several miles of it. This form, together with the tram head rail, is used entirely within the limits of the city proper for either gravel, macadam, or other form of pavement.

Trusting that this information is what you desire, I remain,

Very truly yours,

FRED'K A. MCCLURE,
City Engineer.

DETROIT, MICH., January 20, 1906.

MR. F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir:—

Answering your letter of January 18th, I would say that the style of rail as used in the streets of Detroit is determined at

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time of giving franchise. The style of construction in use at the present time is a girder grooved rail, 9 inches in height and weighing 90 pounds to the yard, ties of white oak 6 x 8 inches and 8 feet in length. Concrete is not used. The trench is deep enough to allow of 8 inches of crushed stone to be thoroughly tamped under the ties, the balance of trench is filled with stone and rolled by a heavy roller which runs on the tracks. A sand cushion is placed on the stone to receive the pavement which in all cases is of brick.

Yours truly,

R. H. McCORMICK,
City Engineer.

MINNEAPOLIS, MINN., September 11, 1905.

MR. ELY M. T. RYDER,
ENGINEER CONSOLIDATED RAILROAD CO., NEW HAVEN, CONN.,

Dear Sir:—

Replying to your letter of September 2d, to our Mr. Dozier, the mechanical engineer of this company, in regard to concrete stringer track construction.

This company has been using track laid upon concrete beam for about ten years. The first track which was laid was a 5″, 80 lbs. A. S. C. E. rail laid directly on a concrete stringer with asphalt pavement on the street. The flangeway was formed by setting a rectangular granite block at a distance from the rail, and filling in the space between rail and the blocks, nearly to the top, with asphalt or a mixture of Portland cement and fine stone. This construction with low rail proved to be unsatisfactory, the rail working loose from the concrete, and the asphalt paving being destroyed along the rail. The experience of the company led it to adopt 79 lbs. T rail Lorain Steel Co's section 373), which is now used entirely for all straight track construction on paved streets. The rail is set upon a stringer of concrete 12″ x 24″. The flangeway space for the wheels is formed by a granite block which is cut as shown on the accompanying blue print. The rail and the blocks are imbedded in

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Portland cement concrete, and the blocks carefully grouted. Three inches are left on top of the concrete for asphalt paving. This construction makes a very smooth track and is giving good satisfaction.

One thing that should be attended to particularly is that the rail should be anchored frequently to the concrete by some form of bolt with a proper nut and washer to keep the rail securely fastened to the concrete. These bolts should be provided with anchor plates or enlarged heads, and should be placed along the rail not over six feet apart.

In regard to your question about the renewal of rails, this is something we have not tried. I would say that the renewal of the rail on a concrete stringer would be a matter that would be rather difficult on account of getting a good bond between the old concrete beam and the new rail, but I presume it could be worked out.

We have Falk welded joints wherever concrete construction has been used. All welding is done directly by our own forces.

We have not used a high T rail and tie construction on a continuous foundation of concrete, but I believe that this would prove to be a satisfactory construction, especially if the ties were creosoted, or if broken stone is used in place of concrete.

In regard to the use of T rail and granite blocks as compared with "Trilby" or other grooved rail, this company has been able to maintain the use of the high T rail with cut granite flangeway, as shown on the accompanying print. It has been very satisfactory to the city authorities and, from a railway point of view, is to be preferred to the grooved rail.

Hoping that the above may be of some use to you, and assuring you that I should be very glad to give you further information, I remain, Yours truly,

GEO. L. WILSON,

Engineer and Roadmaster.

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MINNEAPOLIS, MINN., January 24, 1906.

MR. ELY M. T. RYDER,
ENGINEER CONSOLIDATED RAILWAY CO., NEW HAVEN, CONN.,

Dear Sir: —

I am in receipt of your favor of the 20th inst., relative to the matter of railroad track construction in use in this city, and in reply would state, I am herewith enclosing blue prints and a pencil sketch, showing the method of construction, size of rail, kind of rail, form of the special blocks adjoining the rail on the inside, now used by the Street Railway Company in this city.

The rails are continuous and have cast joints, as shown in the blue prints. As to the advisability and desirability for use of such rails for said purpose in our city streets, this is a matter of agreement between the City Council and the Railway Company. There is no state law requiring any certain kind of construction, and while the Street Railway Company favors this construction to the flange-rail construction we also consider it the best from the standpoint of Rapid Transit accommodation of people who use the street railway lines, thinking that the public interests are as well subserved by making it possible to accommodate the millions of passengers who annually ride over our street railways, as well as teamsters who use the streets for traffic purposes.

Our street roadways are generally wide, and we have an abundance of room outside of the railway tracks, which are generally double tracks and occupy a space of 15 feet in the center of the roadway. The construction, however, does not materially interfere with the use of this space of 15 feet by teamsters, or ordinary vehicle traffic, on the streets, as they are practically smooth for crossing, and if desirable a team can follow along the rails without inconvenience or difficulty. But, as before stated, we regard the flanged rail construction as undesirable, on account of delays occasioned by teamsters getting into the Street Railway tracks and preventing rapid transit.

Our street railway company is apparently desirous of getting the best construction in vogue today, and are using good material, and doing as good work of the kind as is possible.

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We hear no complaint from teamsters on account of this kind of construction.

Yours very truly,

ANDREW RINKER,
City Engineer.

MINNEAPOLIS, MINN., January 20, 1906.

MR. F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir: —

In reply to yours of the 18th inst., relative to rails used by the Street Railway Company in this city, would say that there is no state law governing the kind of rails used. It is a matter of agreement between the Street Railway Company and the city.

The latest type of rail used, however, is the "T" rail, 8 inches deep, I believe, and weighing 80 pounds to the yard. These rails are spiked to wooden ties and bedded in concrete. The rail is a continuous rail, with cast joints. This makes a very rigid and substantial rail, and as far as our experience goes, is perfectly satisfactory.

We find that the "T" rail is not objectionable to the public travel, as the Street Railway Company paves, generally, with granite, close to the rail on the inside, and we lay our pavement in contact with the rails on the outside.

The general supposition here is, that in order to give good service for rapid transit to the much larger percentage of the public, that such construction is advisable. While, our method of construction does not prevent teams from crossing the tracks, or even following tracks lengthwise, we believe that it is a better policy to permit the railway company to use the space occupied by them (15 feet in width for double tracks) unhampered by teaming, and that the millions of people who are carried annually by the street railway lines get better service than they would if the teamsters were permitted to use the rails and obstruct the street railway travel to the extent that they usually do, where flanged rails are laid.

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Of course, there are two sides to this argument, but we are very satisfied that the Street Railway Company do first-class work in the laying of their rails and we rarely ever hear any objection on the part of teamsters to the "T" rail construction.

Yours very truly,

ANDREW RINKER,

City Engineer.

ST. PAUL, MINN., February 5, 1906.

MR. E. T. RYDER,
ENGINEER THE CONSOLIDATED RAILWAY CO., NEW HAVEN, CT.,

Dear Sir:—

Your letter of July 19th should have been answered before, but I sent to the street car company for a blue print of their rail construction, which I do not get until today on account of the absence of their engineer to whom the matter was referred.

The blue print shows the use of granite, brick, and asphalt between the rails, but the plan now adopted by the street car company, which I consider the best, is the use of the granite blocks, well dressed with a groove cut in the block next to the rail to allow for the flanges.

Our experience with the Tee rail, with the constructions mentioned, is highly satisfactory, in fact I consider it the best possible construction for this climate, where I think a grooved rail would cause trouble.

We have tried several methods of construction in St. Paul, and now regard the present as standard,

Yours very truly,

L. W. RUNDLETT,

Commissioner of Public Works.

ST. PAUL, MINN., February 5, 1906.

MR F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir:—

In reply to your letter of January 18th, relative to the history of the street railway and track development in St. Paul,

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I would say that the type of the rail is not determined by the State Law and is not designated in the Street Car Ordinance, except that it must be of such design as will be acceptable to the City Engineer. I send you enclosed a blue print showing the latest method of construction where the streets are paved. The plan shows the methods used for granite, brick, and asphalt, but I am of the opinion that the granite construction is decidedly superior to any when the blocks are properly cut, that is the groove on the end blocks next to the rail to allow for the flanges. Such construction has given good satisfaction, and is now adopted by the street car company whether the street is paved with brick or asphalt, although the first cost is considerably larger.

The concrete beam has been abandoned, as under our very heavy traffic (we use many truck cars weighing 32 tons when loaded, and expect to use still heavier cars), pounds on the concrete, although the joints are welded and does not stand as well as the ties embedded in concrete.

Trusting that I have given you the information desired, I remain, Very truly yours,

L. W. RUNDLETT,
Commissioner of Public Works.

ALBANY, N. Y., January, 1906.

MR F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,
Dear Sir:—

Replying to yours of the 18th, I am very much in favor of a heavy sectioned grooved girder rail properly supported, for all kinds of street railway work. My opinion is based upon my observations in all cities of this State, particularly Buffalo, where, so far as I know, no other kind of rail is used, and in my judgment, the railroads of Buffalo might serve as patterns to be initiated by 95% of all the other railroads that I have ever seen.

Both local and large high speed interurban cars are operated over the Buffalo railways.

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I hope the opinion given above corresponds with your ideas and observations. Very truly yours,

A. H. SUTERMEISTER,
Chief Engineer,
Board of State Railroad Commissioners.

BROOKLYN, N. Y., January 31, 1906.

MR F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir:—

I have your letter of January 23d, in which you ask for information regarding street railway track construction in this city, and I beg to advise as follows:

Under the general railway laws of this State, we can use any type of rail (except as noted below) approved by the local authorities who are vested with the duty of repairing and paving the street. In this city this authority would be the President of the Borough of Brooklyn. Between him and the railroad company the type of rail we use is generally agreed upon. Center bearing rails are prohibited by law.

The latest type of rail within the city limits is a semi-grooved or "Trilby" girder rail, seven or nine inches deep. The latter section is the one now used, but with the advent of the exceptionally heavy equipment which is run over our tracks, we have decided to try the seven-inch rail, which we think will stay to gauge better than the nine-inch rail on account of shorter leverage.

The best type of track construction is a matter of opinion. We use girder rails spiked to 6″ x 8″ yellow pine ties, spaced 2′ centers. The tracks are kept to gauge by malleable iron braces and also tie rods. The joints are electric welded, although the earlier tracks were equipped with Weber joints. The ties are embedded in concrete, granite block paving is laid on this and the interstices are filled with cement grout. Restricted as we are, we prefer a grooved girder rail.

We have no high speed interurban lines operating over our local system. We have several lines of elevated trains, however,

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which run into the outlying districts of the city. The trains reach the surface by inclines, where the tracks are on private rights-of-way. The wheels on these cars are the M. C. B. standard.

Trusting that this information is sufficient for your purpose,

Very truly yours,

M. S. MENDEN,

(The Brooklyn Rapid Transit System.) *Chief Engineer.*

BUFFALO, N. Y., January 20, 1906.

MR. FREDERICK L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir:—

In reply to your letter of January 18th, would state that shortly after your visit here, I forwarded to your address a blue print of the grooved type of rail used by the International Railway Company in our streets, and received an acknowledgment of the receipt of the same. This is the Johnson Company's 9-inch girder groved rail, 94 pounds, No. 313. A city ordinance excludes the use of T rails.

Yours very truly,

A. W. HOFFMAN,

(Dep't of Public Works.) *1st Ass't Engineer.*

BUFFALO, N. Y., January 19, 1906.

MR. F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir:—

Replying to your favor of the 18th, would state that the tracks in Buffalo are practically all of grooved rail.

Our standard rail for city tracks is made by the Lorain Steel Company, Johnstown, Pa., their section 313, weight 94 pounds per yard. It is 9″ high, 2¼″ tread, 1¼″ groove, and 6″ base. Am sending print of this rail, also of our standard track construction in Buffalo.

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Our standard rail for interurban lines is 85 lbs. A. S. C. E. Tee rail, 5⅛″ high, 2½″ tread, and 5″ base. The width of tread of the wheels of our interurban cars is 2½″ and the flange ¾″. We have no trouble with these wheels on special work and straight track in Buffalo.

The type of rail is determined by municipal franchise.

Yours truly,

THOMAS PUMFREY.

(International Railway Company.)

BUFFALO, N. Y., January 25, 1906.

MR. ELY M. T. RYDER,

ENGINEER CONSOLIDATED RAILWAY CO., NEW HAVEN, CONN.,

Dear Sir:—

I have your favor of the 22d inst., and in reply would advise as follows:

We do not believe in T rail track in city streets unless the traffic is very light. We believe in cities of over 300,000 a girder rail, either tram or trilby type, should be used. In Buffalo, we use a semi-groove girder rail with 2¼″ head and 1¼″ depth of groove. Of course, if it is desirable to run M. C. B. wheels and you have the right to do so, 100 pounds T we consider the best rail, with continuous joints and special paving brick or guarantee blocks to fit the gauge side of rail. In Buffalo we use 2½″ tread and ⅞″ flange on our interurban cars. Regret that we have not a blue print showing the exact details of the wheel.

We do not run any cars on our lines which are also regularly operated over by steam roads, but we do operate standard freight cars with M. C. B. flanges on our Lockport division, on which we use 85 pound T rail with split switches and double spring frogs. The double spring frog is particularly essential where you have different widths of tread, as with a stiff frog and throw required for M. C. B. wheels, the smaller street car wheel is liable to drop into the flange-way.

If I can be of any further assistance to you, please call upon me.

Yours truly,

F. W. WILSON.

(International Railway Company.)

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NEW YORK, January 25, 1906.

MR. F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir:—

I have your letter of January 23d, asking for certain information regarding the history of the street railway track construction development within our city, and beg to reply thereto as follows:

The type of rail being used at present within the city was determined by agreement between the street railway companies and the city authorities. This type of rail is shown in the Pennsylvania Steel Company's catalogue as section No. 228 and weighs 107 pounds per yard.

Our track construction is limited or defined by the fact that we are required to use this conduit construction within the limits of Manhattan. In this type of construction the rails are supported by cast-iron yokes spaced 5′ centers. The rails are bolted to these yokes and the weight is carried entirely upon the yokes. In the other Boroughs of Brooklyn, Queens, and the Bronx the overhead trolley system is allowed, and various types of track construction are used. The great bulk of the rail, however, is carried upon wooden ties; some of the latter construction, however, makes use of concrete beam running longitudinally under the rail, and supporting it throughout the whole length, but little of this work has been put in.

I should prefer in a city where the weather conditions are no more severe than in New York to use some form of grooved rail rather than T rail construction, thus obtaining a much better street surface; more durable under the effects of vehicular traffic, and requiring less repairs to pavement adjacent to the rails. The rail used in Manhattan was designed to accomplish these results.

We have no high speed interurban lines operating over the tracks of our local system, and the depth of groove in our rail would not permit this. Our rail is designed solely with reference to the requirements of the flanges and treads used on our local cars.

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If there is any other information desired on this subject I will be glad to furnish it if it is within my power.

Yours very truly,

M. A. STARRETT,

Chief Engineer.

Mr. E. A. Fisher, City Engineer of Rochester, furnishes the following discussion of the rail experience of his city:

"The electric railways in this city are giving an interurban service in connection with local lines, and we have various forms of track construction. We have no Tee rail track in the roadways of the city. We have Tee rail where the tracks are laid between the curb and sidewalk, as they are on a number of streets.

"I have examined the Tee rail track construction with the granite blocks in use in Minneapolis and St. Paul, Minn. This form of construction leaves the street in good condition, and I was informed by the city engineers of both of these cities, that it was satisfactory to them and to the residents generally.

"As a general proposition we do not favor Tee rail construction in the public streets. If the pavement could be put in adjacent to the rail in as careful a manner as I saw it in some of the streets in Minneapolis, I think it would be generally satisfactory.

"I think the least objectionable condition for a railway track in a public street is where the groove is made as narrow as possible, and has a lip on the flange of the same height, or as near as possible of the same height as the head of the rail. The form of rail I refer to is what is known as the "Trilby" or "Metropolitan" rail, as used in the City of New York. We have a considerable amount of this rail, which is satisfactory to the city officials and to the citizens generally; but where the flange comes up to the height of the rail-head it is not satisfactory to the Street Railway Company. The company claims, and I think with good reason, that it is difficult to keep the rail-head clean. We have some of this rail where the flange is of the same height as the rail; and we have rail where the flange has been dropped

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down one-eighth of an inch, and others where it has been dropped one-fourth of an inch."

SYRACUSE, N. Y., January 19, 1906.

MR. F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir: —

Replying to yours of January 18th, in relation to practice of our company, in regard to street railway construction, I would state that nearly all of our track within the city limits is laid with a 9″ girder rail weighing from 90 to 95 pounds per yard, and is about equally divided between the half-groove and tram-head-rail. We have adopted as our standard for the present section No. 95-297 rolled by the Lorain Steel Company. We use wheels with 2¼″ tread and ¾″ flange for city service, and 3″ tread and 1⅛″ flange for interurban service. These interurban cars attain a speed outside the city limits of from 40 to 50 miles per hour. My individual opinion is that a "T" rail construction is the ideal construction for all kinds of service, and it is a mistaken idea of the municipalities in not allowing the use of the same.

Hoping that this is the information that you wish for, I remain, Yours very truly,

J. E. DUFFY,
Superintendent.

(Syracuse Rapid Transit Railway Company.)

CINCINNATI, O., January 20, 1906.

MR. F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir: —

Yours of the 18th at hand. For information concerning history of street railway and track construction in Cincinnati, kindly address W. Kelsey Schoepf, President Traction Company. The type of rail is determined by Ordinance of Council. I mail you under separate cover the best type of street railroad construction. I prefer grooved rails for streets built of asphalt,

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granite, brick and bitulithic, and T rails for streets constructed of bowlder (cobble) and macadam.

Yours truly,

C. N. DANENHOWER.

Chief Engineer.

CLEVELAND, O., January 30, 1906.

F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir: —

With regard to the approximate mileage of the grooved rail would say that there is about 40 miles laid with the grooved rail in this city, and about 200 miles of other types. The grooved rail is section 95-319 of the Lorain Steel Company, which is listed as 88-319, but rolled 7 pounds heavier. The other sections are 95-297, 90-206, 82-240, 137-371, and some Pennsylvania Steel Company's, 90-200, and some Wharton, No. 290. The rail which we have to use is 95-319 covered by city ordinance. The interurban lines come into this city with one-inch flange and three-inch tread. They make 60 miles an hour outside the city limits. Have no difficulty operating the cars over the grooved rails within the city limits. I have no drawings showing the style of construction, but our favorite method is to use seven inches of broken stone under the ties, and concrete between the ties up to within one inch of the bottom of the pavement.

Trust that this will give you the information which you asked for; if not, you are at liberty to ask again.

Yours truly,

CHARLES H. CLARK,

Eng'r M. of Way.

(The Cleveland Electric Railway Company.)

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CLEVELAND, O., January 24, 1906.

MR F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir: —

In reply to your inquiry of January 18, 1906, regarding the use of rails for street-car service in this city, I desire to say, that the style of rail is determined by ordinance relating to the street railway companies. I enclose herewith copy of ordinance, which is in effect at present, and which requires an eight-inch grooved rail. The rail used in compliance with this ordinance is what is known as 95 No. 319, Lorain Steel Company catalogue. The ordinance which was in effect before called for "a rail five inches wide, the surface of which shall be flat. The lower tram shall be not less than three inches wide and not more than one and one-quarter inches below upper tram." The history of the development of the rail in this city has been more or less the history of rail development generally, but there are at present in use several different styles. The following are the weights and numbers of the various kinds in use.

95 lbs. — 319, the one used in compliance with present ordinance, being a grooved rail.
107 lbs. — 340, also grooved rail.
95 " — 297, a girder rail.
82 " — 240, six-inch Johnson rail.
85 " — 249, seven-inch Johnson rail.
93 " — 61, welded chair rail.
137 " — 371, known as Philadelphia section.

The numbers used refer to the catalogue of the Lorain Steel Company. The present mileage of single track is about 210 miles within the city limits. The entire railway system is under the control of the Cleveland Electric Railway Company, which company controls the entire city system, and has about 250 miles of single track, a certain portion of which leads into the surburbs outside of the city limits.

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Hoping this will give you the information sought, I am,
Very truly yours,

ROBERT HOFFMAN,
Ass't Chief Engineer.

(Dept. of Public Service.)

COLUMBUS, O., January 22, 1906.

MR. FREDERICK L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir: —

Replying to your favor of the 18th, I have to say that the total mileage of street railway tracks in this city reduced to mileage of single track is 109.03, of which 27.37 is grooved rail, the remainder being Tee and other antiquated forms. Of this 27.37 miles of Tee rail about 5.38 is on gravel foundation and was laid prior to 1897. The remaining 21.99 is grooved on concrete foundation, the greater part being on wooden cross ties, as per alternative plan No. 37B of our files, copy of which you have. For the last two years, however, the railway companies have preferred the use of iron ties spaced 10 feet on centers with a concrete beam, as per our plan No. 14B, copy of which you have. This later construction is the form first proposed by the city following the practice in Detroit and Buffalo. Wooden ties on concrete being preferred by the railway companies they were permitted to use that form, the alternative plan No. 37B, our files.

The cost per mile of single track on this plan of construction is about $25,000.00. The cost of the 14B plan is about $20,000.00 and we have found from experience that the iron ties are satisfactory.

The use of Tee rail is here considered perfectly suitable for unpaved and macadam streets, and we have quite a mileage of the same on paved streets. It is, however, impossible to maintain the paving along the Tee rails on streets with any considerable traffic, and our judgment is that its use should be prohibited for paved roadways. The railway companies, however, object to the use of the grooved rail mainly on account of its cost. They urge difficulty with snow, but my own observations do not confirm their objections in this respect, and especially where the

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grooved form is used with the lip one-half inch below the head of the rail.

I have thought that the earlier form of grooved rails, one and one-eighths inches in depth, or less, was not quite suited to the deep flanges of the interurban cars, and for that reason proposed a rail with groove one and one-quarter inches in depth, which is now manufactured by the Loraine Steel Company, and is known as their section No. 374. The sections known as Nos. 313 and 317 of the Loraine Company are extensively used in Detroit and Buffalo. The lip is light for the vehicle traffic; it is, however, a great improvement over the Tee rail. The Central Market Street Railway Company have laid 2,000 feet of track this season with concrete beam and iron tie. I enclose you copy of their franchise, which does not permit the use of any other form in improved streets.

For spur tracks for steam roads we have used two 8-inch Tee rails bolted together, but more recently have used the 141-pound grooved rail, No. 263 made by the Pennsylvania Steel Company. In all other respects following our alternative plan No. 37B for interurban railway track construction, and it may now be said that this form is standard for steam road spur and sidings on paved streets in this city. This groove is one and three-quarter inches in depth and will accommodate Master Car Builders' standard flange.

If this reply does not give you all of the information you desire and you will advise me, I shall be very glad to give you further facts. Yours truly,

JULIAN GRIGGS,
Chief Engineer.

DELAWARE, O., February 5, 1906.

MR. ELY M. T. RYDER,

CHIEF ENGINEER CONSOLIDATED RAILWAY CO., NEW HAVEN, CT.,

Dear Sir:—

It affords me pleasure to answer your esteemed favor of the 20th ult.

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I constructed all of the interurban roads inside of the corporation lines of Columbus, Ohio, and was required by City Engineer Julian Griggs to use grooved rail, and we used section 107, No. 333, 107 pounds per yard (see Lorain Steel Company's catalogue, page 44), for the Columbus, London, and Springfield Railway Company; also for the Columbus Loop Railway Company.

Being unable to obtain section 107 for the Columbus, Buckeye Lake & Newark Traction Company, also the Central Market Street Railway Company, I obtained in lieu thereof section 109, No. 340, 109 pounds per yard (see page 45, the Lorain Steel Company's catalogue). These rails were placed on second grade ties spaced 30" center to center. Excavation was made 9 feet wide, 21 inches deep, a layer of concrete 4 to 4½ inches thick placed in the trench and allowed to set ten days. Rails and ties were then spiked and raised and tamped to grade with concrete. Concrete was then filled in 6 inches on each end of ties, also between and over the ties, up to the cushion coat of paving required. Above this last coat of concrete I made a filler of one-half cement and one-half stiff yellow clay mixed thoroughly and filled in vertically beneath the trilby and the ball of the rail. This filler has given entire satisfaction for the past six years and proved water tight under extraordinary heavy traffic. Track should be gauged 1/16" loose on tangents. Expansion and contraction was not taken into consideration where street was paved.

I desire to emphatically say that from a railway standpoint I condemn all grooved rails for the following reasons:

First. It grinds off the back of the wheel flanges and they do not live more than one-fourth their material life.

Second. The groove becomes filled, or partially so, with dust and dirt, and the cars ride on the edge of the flanges of the wheel, wearing the flanges down very soon, requiring the car to be sent to the shop and have the tread of the wheels dressed down to make a new flange, an item of considerable expense. The dust and dirt is also the cause of imperfect contact.

Third. Unsafe to life, limb, and property, in time of sleet and slush. The flanges ride the ice, dirt, etc., and you may sand the rail as you will and the tread of the wheel will not touch it, and the car slides to its doom.

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Fourth. Often the train crew have to use the switch iron to obtain a contact to get the car started, and if the sleet be heavy you are put out of business entirely at the very time your traffic would be greatest.

Fifth. It has no advantage whatever over a high Tee rail, as it cannot be used except on a paved street, and the paving can be so laid to make as good a crossing for vehicles as the trilby does. We have about sixty miles in our system, and have adopted 70 pounds A. C. S. E. section, six hole angle bars, soldered bonds outside of cities, towns, etc., with section 70, No. 264, 70 pounds per yard (see page 55, Lorain Steel Company's catalogue), inside of cities, setting the paving blocks directly against the web of the rail tilted slightly up to form the crown between the rails. This has given entire satisfaction, and vehicles pass and cross without any trouble. This form of construction was put in last summer, and as yet not one single vehicle has been broken. Outside of the rail, blocks were paved nearly level with the top of the rail; between the blocks and web of the rail and filler was sand and coal tar; how good it is, time alone can tell, but it cannot hurt the track as we use concrete construction as I did in Columbus. Will state that if we are compelled to pave with granite blocks we would adopt Section No. 373, 79 pounds per yard (see page 58, Lorain Steel Company's catalogue), on account of its increased height.

If first cost were not a consideration we would have used 85 pound steel, as making a better track and materially reducing the cost of maintenance of way outside of paved streets.

We do not run cars on lines regularly operated over by steam trains.

One serious objection I observe in many electric lines is the leads to the switches being too short. Standard steam railway construction is the best and cheapest in the end in this matter.

We have adopted the following sizes for wheels:

Flange $\frac{7}{8}$" high, $1\frac{1}{8}$" thick at throat, 3" tread 4' $8\frac{3}{16}$" gauge, or $53\frac{7}{8}$" from back to back of flanges.

Yours very truly,

JAS. WILLIAMS,
Chief Engineer.

(The Columbus, Delaware & Marion Railway Co.)

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SCRANTON, PA., January 24, 1906.

MR. E. M. T. RYDER,
ENGINEER CONSOLIDATED RAILWAY CO., NEW HAVEN, CONN.,

Dear Sir: —

I have your letter of the 22d inst., relative to interurban service, and am very glad to be able to give you the following information:

We operate four (4) lines which are strictly interurban in character, but which are located in streets, along the sides of which it is largely built up. Our tracks are covered in order to keep them at all times passable for vehicular traffic. In no case have we paving between the rails, excepting in the cities of Scranton and Carbondale. We use our ordinary double truck city cars on two (2) lines and single truck city cars on the other two. We use our standard wheels on all cars whether operated on city or interurban cars. On account of the location of our tracks and the profile of the same we do not operate at a speed higher than twelve (12) to fifteen (15) miles per hour.

As to our track construction in paved streets I would say that we are putting in considerable high Tee rail track laid on concrete and paved with vitrified brick, the brick next to the rail being beveled. This is very satisfactory both to us and the city were it not for the fact that wagon wheels running in the groove or flange-way soon wear a shoulder in the rail brick, making a wide rectangular slot which is objectionable to vehicular traffic. I am of the opinion, that a granite block similarly beveled or laid as you suggest would remedy this and give satisfactory results. We do not have any grooved rail nor do we operate steam road cars over our tracks. I am sending to you, under separate cover, blue prints showing our standard flanges and treads also Tee rail track construction in paved streets.

If there is any other data or information you desire, or if I have not made myself clear, I shall be glad at any time to answer your further inquiries. I am,

Yours very truly,

E. D. REED,
Engineer.

(Scranton Railway Company.)

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RICHMOND, VA., January 20, 1906.

MR. F. L. FORD,
CITY ENGINEER, HARTFORD, CONN.,

Dear Sir:—

Replying to your letter of the 18th inst., I beg to say that the grooved girder rail on concrete construction is required on all streets where streets are paved, and on streets when paved where concrete construction has been omitted when the track was put down.

The Pennsylvania 95-258 Section, Johnson, or Lorraine 95-345 (formerly 216) section are required to be used.

We are convinced that the grooved girder rails on sawed white oak cross-ties on concrete is the best construction.

Very truly,

W. E. CUTSHAW,
City Engineer.

Mr. Charles J. Poetsch, City Engineer of Milwaukee furnishes the following information concerning track construction in Milwaukee:

"In reply will state that the Milwaukee Electric Railway & Light Company is giving an interurban service in connection with the city lines. The rail that this company uses on its new construction is the Tee rail. Formerly the rail was 6 inches high and weighed 72 pounds to the yard, but the rail as now adopted is 7 inches high and weighs 95 pounds to the yard, the head is 3 inches wide, and the base 6 inches. In constructing asphalt pavements the street railway company furnishes the contractor with the granite blocks which are placed inside the inner and outer side of the rail. The gauge has a granite head which is grooved by dressing a quarter round of the stone to permit the wheel flanges to travel. With brick pavements we now lay the brick low enough on the inside to clear the flange, and the other end inclined up so as to meet the crown of the pavement between the two rails. This construction permits teams to cross freely at all points along the line, and we have never had any trouble or complaints. Of course the teams cannot follow the gauge line of the track, but in large cities we do not want them to drive

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ahead of the cars as the people desire rapid transit and slow teaming must keep off."

MILWAUKEE, WIS., January 26, 1906.

ELY M. T. RYDER,

ENGINEER CONSOLIDATED RAILWAY CO., NEW HAVEN, CONN.,

Dear Sir:—

Your letter of the 20th inst. received, and replying thereto I wish to state that we use Tee rail as our standard construction for both city and interurban work, and find no more difficulty than other roads appear to have in cities where grooved and tram girder construction is the standard. You can readily understand therefore, that we decidedly favor Tee rail construction, and our work is all done under permit from the City Engineer and the Board of Public Works who agree with us that our construction is as satisfactory as that of any other city. I forward you herewith two blue prints, the one numbered 1416E showing our standard method of construction in brick and asphalted street, while we were yet laboring under the idea that a groove is necessary along the flange-way. Two years ago, however, I convinced our city government that the method of installing brick paving in the tracks as shown on the other blue print herewith 2577E, is a better method for both the free transit of vehicular traffic on the streets, and also produced paving which would stand up a far greater time under all conditions of wear. I have within the last year also induced them to adopt this same style with the installation of granite headers in asphalt pavement (also shown on blue print 2577E), and from samples of this kind of paving which I have installed, I have fully demonstrated that these methods are of the very best. You will note the depressed brick or granite headers is not only depressed to the lower extremity of the head of the rail, but is projected beneath the head of the rail, thus providing against its "working up" under the crowdhead of the dirt by wheel flanges.

The wheel flanges on our present interurban cars are 1⅛" in thickness, ⅞" in depth, but we intend increasing the depth to 1 1/16 or 1⅛". Our interurban cars run at rates of speed vary-

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ing from 20 to 60 miles per hour, and we have never had a car derailed on account of the flanges being too shallow. We do not operate on any tracks regularly operated over by steam trains.

I am very pleased to have this opportunity to give you my views in the matter of Tee rail construction as I am a particularly ardent advocate of this style of construction for city streets, arguing that not only is it less expensive and more durable than any grooved or girder type, but that with any degree of care exercised in the construction, better results can be obtained than with the other type and the public can be better served. Other cities within my personal knowledge that have become convinced of this fact to a greater or less extent are:

Denver, where I had charge of the tracks for some nine years, has always been a Tee rail city.

Indianapolis is also a believer in Tee rail.

Cincinnati is now becoming convinced that this work can be made satisfactorily.

Detroit has laid some Tee rail in her city streets.

Covington and Newport, Kentucky, are laying Tee rail.

Louisville, Kentucky, is on the point of adopting this same construction.

I hope you will be able to successfully inaugurate this method in the East, and I believe once inaugurated and properly installed you will be able to convince all reasonable people of its advantages.

Holding myself in readiness to give you any further help or information which I may be able to supply, I am,

Yours truly,

FRED G. SIMMONS,

Supt. C. & M. of Way.

(Milwaukee Electric Railway & Lighting Co.)

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REPORT

OF THE

Board of Street Commissioners

FOR THE

Quarter Ending March 31, 1905.

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STREET DEPARTMENT—1905.

Board of Street Commissioners.

JOSEPH BUTHS,
JOHN W. COOGAN,
WILLIAM F. O'NEIL,
DWIGHT N. HEWES,
WILLIAM ANGUS,
EDWARD M. ROSZELLE.

JOSEPH BUTHS, President.
DWIGHT N. HEWES, Vice-President.
GEORGE NEVERS, Clerk.
PHILIP HANSLING, JR., Supt. of Streets.

WILLIAM J. SHEEDY, Assistant Supt.
H. S. McKINNEY, Foreman of Street Cleaning.

WILLIAN BLEVINS, Foreman of Road Repairs and Steam Rollers.
JOSEPH JOHNSTON, Foreman District No. 1.
JOHN M. HAYES, Foreman District No. 2.
WILLIAM J. NOONAN, Foreman District No. 3.
WILLIAM H. McLEAN, Foreman District No. 4.

ENGINEERING DEPARTMENT.

FREDERICK L. FORD, City Engineer.
HENRY R. BUCK, Assistant City Engineer.
ROSCOE N. CLARK, Assistant Engineer in Charge of Sewers.
HERBERT G. CLARK, Assistant Engineer on Park and Paving Work.
JOHN P. MURPHY, Assistant Engineer on Curb and Sidewalk Construction.

C. S. FARNHAM,
PAUL SHELDON,
W. T. TAYLOR,
T. ROWLAND,
E. T. DUNCAN,
F. L. CHAPIN.

ALBERT L. WASHBURN, Examiner of Assessment Titles.

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REPORT.

To the Honorable Court of Common Council:

In compliance with the charter, the Board of Street Commissioners herewith report to your Honorable Court the receipts of all moneys, and from what sources, and all expenditures, and for what purposes, which have been received and expended by said Board during the three months ending March 31, 1905.

This report is made at this time in order to bring down the accounts of this Board to March 31, 1905, owing to the change in fiscal year to this date.

The estimates and actual expenditures were as follows:

For what purposes.	Estimated.	Expended.
General expenses of the Department, . .	$18,280.16	
" " transfer from sewer ventilating, ...	214.74	
General expenses, transfer from Franklin Avenue sewer extension, ...	1,400.00	
General expenses, extra appropriation, Feb. 27th, ...	7,000.00	
General expenses, extra appropriation for sewer repairs, ...	200.00	
General expenses, transfer from street lighting, ...	2,100.00	
	$29,194.90	$28,502.49
Salaries by Treasurer, ...	2,600.23	2,600.23
Street Lighting, ...	18,408.20	17,345.78
Total amount, ...	$50,203.33	$48,448.50

RECEIPTS AND EXPENDITURES.

Receipts.

From Treasurer on Auditor's orders:

Jan.	3, 1905, . .	$1,670.60	Jan.	17, 1905, . .	$1,945.68
	5, " . .	2,866.62		24, " . .	3,620.74
	10, " . .	31.70	Feb.	1, " . .	2,853.11

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Feb.	4,	1905,	$2,866.56	March	14,	1905,	$210.82
	16,	"	351.40		17,	"	3,513.07
	17,	"	2,879.20		28,	"	528.39
	28,	"	195.30				
March	1,	"	2,102.74				$28,502.49
	1,	"	2,866.56				

From sundry parties for street cleaning, etc.,	333.21
	$28,835.70

Expenditures.

For purposes detailed in Appendix:	
January 31,	$10,135.34
February 28,	9,145.57
March 31,	9,221.58
	$28,502.49
Paid to City Treasurer,	333.21
	$28,835.70
To the disbursements named above, viz:	$28,502.49
Add payments made by Treasurer, for salaries,	2,600.23
	$31,102.72
Deduct cash paid Treasurer,	333.21
Expended under general appropriation and under special appropriations,	30,769.51

JOSEPH BUTHS,
DWIGHT N. HEWES,
JOHN W. COOGAN,
WILLIAM ANGUS,
WILLIAM F. O'NEIL,
EDWARD M. ROSZELLE,
Board of Street Commissioners.

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APPENDIX, 1905.

January 1st to March 31st.

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GENERAL ACCOUNT.

Grading, Turnpiking and Repairs:

For expense of general superintendence,	$75.00	
repairing road machine,	1.00	
water used in macadamizing,	184.32	
steam rollers repaired,	213.35	
use of telephone at quarry,	13.00	$486.67

Sidewalks and Crosswalks:

For expense of relaying walks and curbstone at Whitman Court,	$17.85	
expense of repairing crosswalk on Pleasant Street at Windsor Street,	5.78	$23.63

Sewer Repairs:

For cost of labor and materials used in repairing 12 sewers, as per table No. 1,	$159.56	
inspecting city sewers,	154.44	
repairing sewer pump,	6.00	$320.00

Bridge Repairs:

For cost of labor and materials repairing bridges, as per table No. 2,	$612.28

Culverts and Sewer Inlets:

For cost of constructing 12 new sewer inlets, as per table No. 3,	$193.86	
cost of repairing old sewer inlets, as per table No. 4,	54.41	
20 ten-inch bends,	24.00	
50 yards of sand,	32.50	
brick, salt, and tile,	31.00	$335.77

Street Cleaning:

For cost of cleaning paved streets, removing snow,	$5,310.76	
repairing steam sweeper and supplies,	50.74	

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repairing dump carts,	75.90	
repairing push carts,	62.61	
two new walk-aways,	400.00	
one wood pattern,	.75	
tools and supplies,	24.59	$5,925.35

Street Cleaning by Districts:

No. 1 — Removing snow,	$1,191.32	
No. 2 — Removing snow,	1,219.61	
No. 3 — Removing snow,	1,012.52	
No. 4 — Removing snow,	580.68	$4,004.13

Ashes and Garbage Removed:

For cost of removing ashes and rubbish, as per contract,	$5,386.74	
cost of removing garbage, as per contract,	3,213.00	$8,599.74

Engineering:

For salaries of assistant engineers, rodmen, and typewriter,	$3,048.50	
car fares and expenses of engineers and rodmen,	51.70	
paper, printing, and stationery,	118.42	
telephone rent,	24.00	
tools, repairs, and supplies,	15.06	
wooden stakes and wedges,	20.60	$3,278.28

Office Expenses:

For paid for clerk hire and stenographer,	$485.70	
typewriter supplies,	4.25	
printing, stationery, and supplies,	48.83	
rent of telephones,	30.65	
repairing furniture,	3.15	
postage and express,	11.50	$584.08

Incidentals:

For salaries of district foremen,	$900.00	
expense shop, storehouse, and yard,	941.96	
tools and supplies,	40.56	
street signs and moving posts,	1.80	

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pump house,	11.20	
cutting and trimming trees,	1.12	
storage lot and dumping ground,	2,325.00	
cartage tool boxes, etc., to yard,	15.52	
supervision of collection of ashes,	60.00	
premium on bond Ætna Indemnity Co.,	18.00	
recording deeds, Town Clerk,	17.40	$4,332.56
		$28,502.49

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TABLE No. 1. SEWER REPAIRS.

NAME OF STREET.	COST.
Belmont Street,	$ 1.50
Flatbush Avenue,	2.25
Goodman Place,	60.36
Interceptor,	2.75
James Street,	1.40
Kennedy Street,	1.84
Ward Street,	8.00
Temple Street,	.88
Ward Place,	65.65
Wethersfield Avenue,	5.11
Windsor Avenue,	6.77
Woodland Street,	3.05
	$159.56

MISCELLANEOUS.

Sewer inspector, wages of,	$154.44
Repairing sewer pump,	6.00
	$320.00

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TABLE No. 2. BRIDGES REPAIRED.

NAME OF STREET.	COST.
Capitol Avenue,	$587.28
Commerce Street,	25.00
	$612.28

TABLE No. 3. NEW WELLS AND INLETS.

NAME OF STREET.	LOCATION.	COST.
Ely Street,		$ 1.80
Kenyon Street,	North end,	19.80
New Britain Avenue,	at Hillside Avenue,	12.00
New Britain Avenue,	at Zion Street,	15.60
Vine Street,	at No. 132,	15.60
Vine Street,	(2) at Nos. 317 and 318,	31.80
Vine Street,	at Albany Avenue,	23.46
Vine Street,	at Greenfield Street,	15.60
Vine Street,	at Raymond Street,	36.00
Vine Street,	opposite Raymond Street,	9.00
Woodland Street,	at No. 214,	13.20
		$193.86
MISCELLANEOUS.		
S. B. Bosworth, 20 ten-inch bends,		24.00
		$217.86

TABLE No. 4. WELLS AND INLETS REPAIRED.

NAME OF STREET.	LOCATION.	COST.
Capitol Avenue,	at Smith Street,	$1.25
Cone Street,	at No, 42,	34.75
East Street,	at Belden Street,	1.25
Farmington Avenue,	at Asylum Street,	4.72
Park Street,	at Putnam Street,	1.20
Pleasant Street,	at No. 23,	3.50
Ward Street,	at Affleck Street,	1.20
Ward Street,	at Jefferson Street,	1.20
Westland Street,	at Windsor Avenue,	3.50
Windsor Avenue,		1.84
		$54.41
Supplies for old wells, brick, sand, tile and salt,		63.50
		$117.91

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TABLE No. 5. PUBLIC LAMP DEPARTMENT — EXPENDITURES

JANUARY 1 TO MARCH 31, 1905.

Month of —	Number of divided arc lamps.	Nights burning.	Hours lighted.	Cost.
January-December, 1904, acct.	806	31	426½	$6,057.04
February-January, 1905, acct.	806	31	423¼	6,005.53
March-February, 1905, acct.	804	28	351	4,957.61
		90	1,200¾	$17,020.18

TWIN SERIES INCANDESCENT LAMPS —

January 1 to March 31, 1905:

Month of January —	25 lamps —	426½ hrs.	$47.67	
February —	31 lamps —	423¼ "	53.03	
March —	31 lamps —	351 "	49.40	
		1,200¾ hrs.	$150.10	$150.10
Paid for lighting Ford street bridge with thirty 25-candle power incandescent lamps —				$175.50
				$17,345.78

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TABLE No. 6.

SIDEWALKS WITH CURB AND GUTTER ORDERED.

NAME OF STREET.	BETWEEN WHAT POINTS.	ACTION.
Arch Street,	Main Street to Front Street, walk, curb and gutter,	Not executed.
Maple Avenue,	at Retreat Avenue walk and curb,	Order executed.

TABLE No. 7.

STREET, BUILDING AND VERANDA LINES AND GRADE ORDERED ESTABLISHED.

NAME OF STREET.	BETWEEN WHAT POINTS.	ACTION.
Elizabeth Street,	Beacon to Whitney Street, grade,	Established.
Kenyon Street,	Extension northerly to Asylum Street, grade,	Established.
Maple Avenue,	at Retreat Avenue, Street, building and veranda lines,	Established.
Meadow Street,	Wethersfield Avenue easterly Street building and veranda lines and grade,	Established.
Oxford Street,	Fern to Elizabeth Streets, grade,	Established.
Whitney Street,	Fern to Asylum Streets, grade.	Established.

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TABLE No. 8. CONCURRENT RESOLUTIONS.

Appropriation,	Making the appropriation for general expenses of department, $29,194.90,	Expended $28,502.49.
Appropriation,	Salaries by treasurer, $2,600.23,	Expended $2,600.23.
Appropriation,	Street lighting, $18,408.20,	Expended $17,345.78.
Bushnell Park, east,	To change location of electric lights on,	Not executed.
Coal purchases,	Requisitions to be made on contracts committee,	Order complied with.
Elizabeth Street,	To grade, season of 1905,	Order executed.
Front Street,	To discontinue two arc-lights on, north of Morgan Street,	Order executed.
Hazel Street,	To establish and maintain an electric lamp on corner of Boulevard,	Order executed.
Half-holiday,	Granting employees a half-holiday each week during July and August, 1905, with pay,	Order executed.
Irving Street,	To establish and maintain two series electric lamps on,	Order executed.
Kenyon Street,	To grade, season of 1905,	Order executed.
Oxford Street,	To grade, season of 1905,	Order executed.
Whitney Street,	To grade, season of 1905,	Order executed.

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REPORT

OF THE

Board of Water Commissioners

FOR THE

Year ending March 1, 1906.

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Hartford Water Department

1905

The Board of Water Commissioners.

HENRY SOUTHER,	Term Expires,		1906
EDWARD L. SMITH,	"	"	1906
FRANK S. CAREY,	"	"	1907
FERDINAND RICHTER,	"	"	1907
JOSEPH M. BIRMINGHAM,	"	"	1908
FRANK C. SUMMER,	"	"	1908

JOSEPH M. BIRMINGHAM, *President and Superintendent.*

FRED D. BERRY, *Secretary.*

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REPORT

HARTFORD, Conn., March 1, 1906.

To the Honorable Court of Common Council of the City of Hartford:

In compliance with the Charter and Ordinances, we have the honor to present this our Fifty-second Annual Report.

RECEIPTS.

Cash on hand March 1, 1905,		$ 62,796.64
" in fund for retiring bonds when due and extraordinary expenses, March 1, 1905,		205,523.64
" from water rents for 1899,		8.00
" from water rents for 1900,		8.00
" from water rents for 1901,		24.50
" from water rents for 1902,		76.64
" from water rents for 1903,		66.32
" from water rents for 1904,		681.41
" from water rents for 1905,		255,887.20
" from main pipe,		2,394.63
" from service pipe,		3,315.51
" from meters,		268.25
" from repairs,		207.00
" from sundries,		1,157.11
" from interest on deposits,		7,247.17
		$539,662.02

DISBURSEMENTS.

Construction.

For main pipes, hydrants and gates,	$20,667.33	
" service pipe,	8,654.32	
" meters,	6,045.75	
" land,	44.00	
" electrolysis,	86.00	
" canal (Dead Swamp),	2,054.54	
		$37,551.94

Repairs.

For repairs on hydrants and gates,	$ 7,358.12	
" repairs on main pipe,	2,670.92	
" repairs on service pipe,	11,741.54	
" repairs on meters,	14,381.91	
" general repairs,	17,052.51	
		$53,205.00

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Current Expenses.

For care and repair of works at West Hartford and Farmington,	$24,930.21	
" forestry,	993.28	
" tools,	673.74	
" printing, stationery, etc.,	1,284.75	
" salaries, rent, etc.,	14,795.14	
" meter reading,	12,404.93	
		$55,082.05
		$145,838.99

Interest.

For interest on bonds,	27,000.00
	$172,838.99
Fund for retiring bonds when due and extraordinary expenses,	$311,310.87
Cash on hand,	55,512.16
	$539,662.02

Bonded Debt.

$675,000.00 . . . . 4 per cent., due July 1, 1918.

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WATER MAINS.

On account of renewing water mains in different parts of the city during the past few years, some of the old mains have necessarily been abandoned. Therefore, we thought it well during the past year to have our Engineers go over the distribution system very carefully.

In doing so they found that there had been abandoned in our main pipe system, four thousand, five hundred and forty-nine feet (4,549′).

This deducted from the total length of pipe one hundred and thirty-seven miles and one thousand, six hundred and eighty-eight feet (137 miles and 1,688′) as given in our Report for the year ending March 1st, 1905, leaves a balance of one hundred and thirty-six miles and two thousand, four hundred and nineteen feet (136 miles and 2,419′).

In the past year sixteen thousand and nineteen feet (16,019′) of new cast iron main pipe, from 4″ to 10″ in diameter has been laid, which added to the one hundred and thirty-six miles and two thousand, four hundred and nineteen feet (136 miles and 2,419′) as given above, makes a total of one hundred and thirty-nine miles and two thousand, five hundred and ninety-eight feet (139 miles and 2,598′) of water main which we now have in use.

STOP GATES.

During the past year, fifty (50) gates have been set, viz.; ten (10) of 4″; thirty-two (32) of 6″; four (4) of 8″; four (4) of 10″, which makes a total now in use of one thousand, six hundred and fifty-one (1,651).

HYDRANTS.

Twelve (12) new fire hydrants have been placed during the past year, making a total of one thousand and twenty-three (1,023).

SERVICE PIPE.

Three hundred and five (305) additional service pipes were laid during the past year. Seventeen (17) pipes which had been abandoned, were put into service again, which makes a total now in use of ten thousand, three hundred and twenty-eight (10,328).

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METER SYSTEM.

During the past year two hundred and seventy-seven (277) meters have been installed, making with the number previously installed a total of ten thousand, one hundred and thirty-seven (10,137) meters which we have now in operation.

Now that the city is practically all metered, it is very apparent that this Board chose a wise course when they decided to meter the entire city.

A study of the accompanying diagram will show how the consumption has dropped since the installation of meters.

ELECTROLYSIS.

The study of electrolysis which was begun during the year of 1902, has been continued during the past year, Mr. Wm. R. C. Corson still acting as Consulting Engineer, with our own Engineer, Mr. E. M. Peck. Mr. Corson's report for the year is as follows:—

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REPORT

ON

"ELECTROLYSIS"

TO

The Board of Water Commissioners

OF

HARTFORD, CONNECTICUT

BY

WILLIAM R. C. CORSON

CONSULTING ELECTRICAL ENGINEER

HARTFORD, CONN.

March 1st, 1906

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To the Board of Water Commissioners, Hartford, Connecticut:

GENTLEMEN:

The electrical condition existing between the pipes of your system and the tracks of the street railway was again made the subject of an examination in the autumn of 1905, the investigation being limited, as in 1904, and having for its object the discovery of any changes from the conditions of the previous year.

The detailed record of the observations made are on file in your office. They show that quite a material change in the limits of the "positive" or danger district had taken place. The positive districts as indicated by the survey of October and November 1905, are as follows:

Wethersfield Avenue from Annawan Street to Barnard Park.
Main Street from Barnard Park to Tunnel.
Franklin Avenue from Maple Avenue to Jordan Lane.
Park Street from Broad Street to Main Street.
Capitol Avenue from Park Terrace to Broad Street.
Albany Avenue from the Tunnel to Blue Hills Avenue.
Blue Hills Avenue north to station No. 27.
Barbour Street from Capen Street to Tower Street.
Windsor Avenue from the Tunnel to Mather Street.
Morgan Street from Main Street to the Connecticut River.
Market Street from Morgan Street to State Street.
Huyshope Avenue from Masseek Street to Charter Oak Avenue.
Asylum Avenue from Woodland Street to Asylum Place.
Central Row from Main Street to Market Street.
Grove Street from Prospect Street to Commerce Street.
Commerce Street from Grove Street to Power House of Street Railway.
Charter Oak Avenue from Huyshope Avenue to Main Street.

These districts have somewhat different limits from those of the previous year. The southern limit of the Wethersfield Avenue district has moved north from Elliott Street to Annawan street. Asylum Place was the most eastern point on Asylum Avenue where positive readings were observed, although in 1904 they were found at the corner of Farmington Avenue. No

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characteristically positive readings were found on Ashley, Garden, Pearl or Asylum Streets, or on Farmington Avenue, where in 1904 distinctly positive observations were made.

Further the instrument showed that while still the tendency of current flow on Main Street between Arch Street and Morgan Street was from pipe to rail, the difference of potential was greatly reduced from that of previous observations. This change has also been noted on the recording volt meter in your office, which now shows the district around City Hall to be of neutral characteristics.

Apparently this change of electric condition has been due not to any effort on the part of the Railway Company towards improvement, but to the action of The Hartford Electric Light Company taken for the protection of its cables.

The latter Company early in the year commenced the operation of its new power house at Dutch Point. The energy generated at this Power House was transmitted to the old station on Pearl Street by lead covered cables carried in conduit. It was accidently discovered that the lead sheathing of these cables was being electrolytically damaged from current leaving them for the earth in the vicinity of the Street Railway Power House on Commerce Street.

To prevent the electrolytic action a metallic connection was made between the lead sheathing and the negative return feeder of the Street Railway Company, at the corner of Potter and Commerce Streets. At the moment that this connection was made your recording instrument indicated the change in the electric condition between pipe and rail at City Hall Square.

This protective measure taken by the Electric Light Company is similar to that recommended in my report to you of the investigation of 1903, and which was there referred to as "the drainage system." As a protection to the continuous lead sheath of the cable from electrolytic injury it is probably complete, although damage from the large current necessarily carried is to be apprehended. The application of the remedy has unquestionably benefited your piping system however. This cable connected to the railway negative feeder extends into a district which has always been of negative or neutral characteristics, and while not intentionally grounded it is at most but imperfectly in-

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sulated from the ground. Current leaving the rails for the earth and pipes west of Main Street is now largely collected and carried from the earth and pipes by the lead sheath direct to the Street Railway Power House. That the installation of this cable and its protective connection is principally responsible for the change of conditions was shown by the effect of cutting out the connecting wire. This was done for a few minutes on November 8th, 1905. The result was noted by observations made at the corner of Pearl and South Ann Streets. With the connection in place the average of ten readings made at 30-second intervals showed 1.72 volts pipe negative to rail, while the average of ten similar readings made with connection broken showed a difference of potential of but 0.57 volts, the pipe still being negative to the rail. The recording volt meter in your office also simultaneously indicated an increase of difference of potential in the positive direction while the connection was broken.

The effect of this connection is instructive in two ways.

It clearly indicates the mutually dependent relation electrolytically of all continuous metallic structures in the earth, and that a change in the condition of one such system affects the condition of any other buried system in its vicinity. It is conceivable that a connection might have been made to protect this cable which would have increased the danger to your system instead of improving its condition. The Gas Company, the Telephone Company, and the Electric Light Company all have buried metallic systems, which are threatened to a greater or less degree by damage from electrolysis. If each independently institutes protective measures confused and uncertain results are assured, as the action of one interest will certainly affect the condition of the other systems and nullify the protective efforts of their owners. I am firmly convinced that the several companies who have these systems to protect should unite in some way to act in concert in the matter.

The effect of the connection made by the Hartford Electric Light Company is further instructive in indicating the improved condition which would result if the Street Railway Company should run ample negative conductors from its power house well out to the neutral or negative districts, or in other ways improve the return path which the current must follow. If instead of

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the continuous lead sheath of the electric cable, a continuous properly proportioned copper conductor were installed, a larger proportion of the current would follow this improved return and less would be taken care of by the buried pipes, etc. The location and size of such auxiliary cables must of course be a matter of considerable study that the effect sought may be realized; but I am certain that these details can be determined with sufficient accuracy to insure a great improvement by such installation.

I believe nothing has been undertaken by the Hartford Street Railway Company during the past year towards the improvement of its return circuit, and therefore no improvement of the electric condition of your pipe system is to be credited to the Company. The condition of the rail bonding is still very poor. I tested at random forty-one joints on Wethersfield Avenue, Franklin Avenue, Main Street, Windsor Avenue, Albany Avenue, Garden Street, Farmington Avenue, Asylum Avenue, Capitol Avenue, and Pearl Street, and found most of them in very bad condition and of high resistance. Of these but twelve had a resistance of less that that of twelve feet of rail, and but three were equal in conductivity to six feet of rail. Seven had a resistance greater than that of 270 feet of rail, the scale limit of my instrument. A good joint should have a resistance not greater than that of six feet of rail. Late in 1904, the Railway Company, experimentally, had the joints of approximately 1000 feet of both tracks on Wethersfield Avenue, north from the Car Barn, cast welded by the "Thermit" process. These joints in themselves have remained in fair condition. They make of the track, however, a continuous metallic structure without provision for expansion or contraction, and the contraction force has been sufficient on Wethersfield Avenue to actually break the rail. This break has introduced high resistance in the circuit of which that rail is a part so that for something over one hundred feet that rail is of no value as a part of the return system. The "Thermit" weld unquestionably produces an excellent bond at the joints, but if its use is extended care should be taken to provide at proper intervals some form of expansion joint.

During the past year your Mr. Peck or myself have inspected and recorded the condition of those service pipes whose re-

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moval was necessary on account of apparent electrolytic damage. The list of these cases is as below:

Inspection No.	Date. 1905.	Location.	Maximum Volts. Pipe to Rail.	Remarks.
74	1-17-	Service to No. 30 Wethersfield Ave.	2.0+	Corroded service pipe.
75	3-12-	Service to G. Fox & Co., Store, Main Street.	.75+	1½" service pipe corroded at coupling. Pipe installed 1896.
76	4- 7-	Service to No. 976 Main Street.	.9+	1" service pipe corroded with leak under tracks.
77	4-17-	Service to No. 109 Wethersfield Ave.	1.2+	¾" service pipe badly corroded. Leak occurred at coupling.
78	5-18-	Service to No. 69 Commerce Street.	19.0+	Service passed from main under neg. St. Ry. cables and corrosion occurred directly beneath them. Pipe about 1 year old.
79	5-25-	Service from Market Street to No. 96 State Street.	1.4+	Service pipe perforated under tracks.
80	5-31-	Service to No. 383 Albany Avenue.	1.3—	¾" service badly corroded.
81	6-19-	Service to No. 201 Asylum Street from Haynes Street.	0.1—	1½" service pipe badly corroded. While d. p. neg. to rail, pipe was pos. to earth .032 volts.
82	6-21-	Service to No. 378 Windsor Avenue.		¾" service corroded only near couplings. One perforation near coupling. Pipe 6 years old.
83	6-29-	Service to No. 255 Main Street.	2.6—	¾" service corroded and leaking in several places.
84	7-18-	Service to No 103 Wethersfield Ave.	0.4—	Pipe not badly corroded, but with one perforation under east track.
85	9-12-	Service to No. 73 Wethersfield Ave.	0.7—	Perforation under west track. Pipe 22 years old.

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In closing this report of the electrolysis work of 1905, I believe I can make no new recomendations or suggestions towards remedying the troubles you are experiencing.

My earlier reports have indicated clearly, I hope, that the Railway Company should take the first steps toward protecting your system by renewing its rail bonds and otherwise improving its return circuit. I am still convinced that it would be unwise to attempt protective measures of the nature of a "drainage system", until the Railway Company has acted. I hope that some action on its part may be had in the near future and believe that the concerted effort of all the affected interests in Hartford would hasten the matter.

Respectfully submitted,

WM. R. C. CORSON,
Consulting Engineer.

Hartford, Conn.
March 1, 1906.

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WEST HARTFORD.

—o—

On March 21st, 1905, the six reservoirs were filled to their total capacity, or 2,035 million gallons.

Although the precipitation at Reservoir No. 1 was but 39.45 inches, (the lowest since 1899, and 15% less than the average for the past seventeen years) the condition of the supply was not considered serious. The greatest depletion of the reservoirs occurred on December 2, 1905. At this date there was stored in the reservoirs 57% of the total capacity. The average daily consumption by months is shown in the following table:

AVERAGE DAILY CONSUMPTION FOR EACH MONTH.
1905.

January,	6,028,700	gallons.	July,	6,388,700	gallons.
February,	6,495,000	"	August,	5,898,400	"
March,	6,246,800	"	September,	5,990,700	"
April,	6,132,000	"	October,	6,145,800	"
May,	6,051,600	"	November,	5,915,300	"
June,	6,479,300	"	December,	5,944,800	"

RESERVOIR NO. 1.

During the past year, considerable attention has been given to opening and lowering the water courses and draining the small swamps on the water shed of Reservoir No. 1.

Upon the removal April 1st, of the tenants on the Hawley farm, which had been purchased by this Board, two of the houses and several barns and other buildings were removed.

At Reservoir No 1, the dwelling house, office, intake tower, barn and other buildings have been repaired and painted.

RESERVOIR NO. 4.

On account of a large amount of shallow flowage along the west side of Reservoir No. 4, a retaining wall has been constructed in the reservoir, so located, that with a full reservoir the minimum depth of water would be three and one-half feet. This wall which was mentioned in one of our provious reports, was

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laid dry and has a slope of two horizontal to one vertical, extending one and one-half feet above the flow line of the reservoir.

At the time the wall was constructed, the filling in back of it was not finished. During the past season it was possible to take the city's supply from this reservoir during the spring and summer, and made it possible to take up this work of filling, which was carried on from September to the close of the season. The material used for this work was all taken from the basin, thereby greatly improving the bottom of the reservoir. It is hoped to continue this work during the coming summer, and bring it to completion.

DEAD SWAMP CANAL.

In the last Annual Report a statement was given of extensive repairs and improvements on the Dead Swamp Canal on the water shed of Reservoir No. 4. This work was again taken up last May and brought to a satisfactory completion in about two months. In addition to the work mentioned last year, forty-three hundred (4,300) feet of lateral ditches, two feet wide at bottom, have been constructed on the northwest side of the Swamp, on land of Mr. C. F. Feineman. A road has been constructed along the line of the main and the northwest lateral canals, to facilitate in the care of the canal. Between land of the city and Mr. Feineman, three thousand (3,000) feet of barbed wire fence have been built.

FORESTRY.

The forestry work on the West Hartford water shed has been continued during the past year, according to the working plan prepared by Prof. H. S. Graves, in 1902.

The plantations, especially those of White Pine, are doing well. Last year twenty-two (22) acres of the Hawley farm, on the water shed of Reservoir No. 1, were planted with White Pine, Hard Maple, Hickory, Chestnut and Wild Cherry, at a cost of seven dollars ($7.00) per acre.

It is estimated that there are at present in the Nursery twenty-five thousand (25,000) White Ash; ten thousand (10,000) Hard Maple; thirty thousand (30,000) two year old White Pine seedlings which will be used in next spring's planting; also

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thirty thousand (30,000) one year old White Pine seedlings. Several beds were seeded last Fall to tulips (white wood) and Hard Maple.

The trees, on one of the wood lots near the top of the mountain west of Reservoir No. 6, which was treated last year, were so badly broken by ice storms that it was thought best to cut clear. One hundred and thirty-five (135) cords of wood have been obtained from about four and one-half acres. In thinning about six (6) acres near Reservoir No. 6, one hundred and twenty-one (121) cords of fire wood were obtained. This thinning was done on a badly broken area.

In speaking of our forestry work we thought it might be interesting to give an extract from an article which appeared in the February number of the Forestry and Irrigation Magazine as follows:

FORESTED WATERSHEDS.

A New Phase of New England Thrift.

By ALFRED AKERMAN.

State Forester of Massachusetts.

"Within a few years several New England Communities have become aware that they have been allowing one of their resources to go undeveloped. Among these are Hartford, Middletown, New Haven, and Ansonia, Connecticut, and the Metropolitan District in Massachusetts.

HARTFORD.

About fifty years ago Hartford began to acquire land contiguous to its water reservoir. This land was acquired to protect the water supply from pollution. From time to time, as the needs of the city grew, other ponds with surrounding lands were purchased. In 1902 the total area of watershed owned by the city amounted to 2,500 acres, of which some 1,300 acres were not covered by water. With the exception of a few cords of firewood this land produced nothing. It was not in a condition to be of service as a park. And it must be held to protect the city's

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water supply. The question, then, which came before the Water Board was, Is it possible, consistent with its protection functions, to develop the tract as a public park and also to make it produce revenue?

A forest engineer was engaged to examine and report on the tract. His report, or working plan, showed how the tract, if treated in a scientific and systematic way, might in time be made to produce considerable revenue and how at the same time it might be turned into a beautiful, though unpretentious park.

The working plan showed that 1,300 acres were available for forest growing. Of this area 800 acres were already covered with a sprout growth of chestnut, oak, hickory, maple and other broadleaf trees. The rest consisted of abandoned fields and pastures which were coming up to inferior growths, such as red juniper and poplar leaf birch. Improving thinning was advised for most of the forest stands, and planting to timber producing kinds of tree for the old fields and pastures. The thinning was advised for two principal reasons. In many places the stand was so dense that its growth was being retarded. In others, many trees had been damaged by an ice storm which swept over this section of the country in 1897. From these damaged areas all but the best trees were to be removed, in order to make room for a better growth. From the other portions of the forest only such trees were to be removed as would increase the growth and improve the timber quality of those remaining.

The working plan was put into operation at once. In the three years that have elapsed since then, 156 acres have been thinned and 73 acres planted. The thinning has yielded a product of 1,263 cords of firewood and 1,338 fence posts. Of this product 369 cords were sold at a net profit, varying from twenty-five cents to a dollar and thirty cents on the cord. The rest of the material has been used for construction and heating purposes; and, although not offered for sale, the same profit has been made on it, for it would have been necessary to purchase other supplies, if this had not been at hand. As the work was undertaken to improve the growth and increase the future crop, the improvement would have been clear gain, had the product only paid for its removal. The profit that has been realized may be

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regarded as an extra profit that may be applied to planting the open lands.

The planting has been chiefly to white pine in mixture with broadleaf trees, such as chestnut, sugar maple, white and red oak, and hickory. All but the choicest of the broadleaf trees will come out in the process of thinning, leaving a stand of white pine with a small admixture of hard woods. The mixed planting has been found cheaper than pure planting to pine; and the broadleaf trees are a benefit to the pines; and, moreover, their presence make a choice of species for the final stand possible, should anything happen to the pines. As the work has progressed the cost of planting has been reduced from $8.00 per acre to $6.33. This is due in part to the increased efficiency of the workmen which has come with experience, and in part to the production of more and more of the stock in the nursery on the tract.

This nursery was established in 1903. It occupies only a third of an acre. It now has a stocking of 125,000 plants, chiefly white pine, white ash, and sugar maple. It has been found expedient to sow such species as chestnut, oak and hickory directly in the place where they are to grow, rather than to start them in the nursery.

The plantations have been very successful, in all cases insuring a dense stand in the future. Several averages in the 1903 plantings of white pine show that 93.4 per cent. are living.

The young trees planted or sowed in the old fields and pastures have begun to show a little above the weeds and grass; and their growth will be rapid now that they have made a start.

For instance the white pines planted in 1903 and which are now five years from the seed, having been planted as two-year-olds, now average 14.6 inches in height, almost exactly half of which or 7 inches was made this summer past. For the next twenty years they will average about 18 inches a year.

PARK FEATURES.

The Hartford tract contains nothing grand in the way of scenery. But a turn in the road sometimes brings one upon a scene of exquisite beauty. One of the accompanying illustrations is reproduced from a photograph of one of the reservoirs.

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On the afternoon of an Indian summer's day in late October, the quiet surface of this tiny lake reflects in charming manner the gorgeous autumnal foliage of the hardwoods and the deep green of the hemlocks on the wooded slope above it.

The people of Hartford are finding out the attractions of the place; and on fair days in spring and fall they come out to drive along the quiet woodland roads, or to ramble over the hills."

For a detailed statement of our receipts and disbursements for the fiscal year we refer you to the semi-annual accounts current, which were submitted to your Honorable Body after they had been examined and approved by the City Auditing Committee.

The Board extends to His Honor the Mayor, and members of the City Council, its acknowledgements for courtesies received during the year.

Respectfully submitted,

J. M. BIRMINGHAM,
HENRY SOUTHER,
EDWARD L. SMITH,
FRANK C. SUMNER,
FERDINAND RICHTER,
FRANK S. CAREY.

Water Commissioners.

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APPENDIX.

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A.

Memorandum of Main Pipe Laid in 1905.

NAME OF STREET.	KIND OF PIPE.	4"	6"	8"	10"	12"	COST.
Albany Ave., from Baltimore St. E., Connecting,	Iron.	.....	82	.....	.....	.....	$ 155.55
Baltimore St. from Albany Ave. North.	"	.....	410	.....	.....	.....	408.13
Clark St. from Capen to Westland Sts.- (to replace 6"),	"	.....	.....	.....	1933	.....	2,469.87
East St.. from Seyms St. North	"	.....	176	.....	.....	.....	177.68
East St. to Hartford County Jail	"	142	.....	.....	.....	.....	143.00
Hamilton Ave. to entrance to Hamilton Heights	"	.....	867	.....	.....	.....	885.84
Hamilton Heights to Seminary	"	.....	347	.....	.....	.....	351.00
Harbison Ave , from Hillside Ave. E. Connecting	"	.....	170	.....	.....	.....	182.07
Hicks St. from Trumbull to So. Ann Sts	"	.....	.....	561	.....	.....	1,145.54
Hillside Ave. from Hamilton Ave. to Wilson St	"	.....	1319	.....	.....	.....	1,281.58
Hubbard St. from Blue Hills Ave., West	"	577	.....	.....	.....	.....	421.49
Husyhope Ave. from Wawarme Ave., North	"	.....	605	.....	.....	.....	503.65
McKinley St. from South St. to Roosevelt St	"	.....	500	.....	.....	.....	377.15
Nelson St., to connect with Clark St	"	.....	26	.....	.....	.....	53.19
No. Beacon St. from Cone St. to Elizabeth Park	"	.....	1790	.....	.....	.....	1,446.00
Oxford St., from Cone St. to Fern St	"	.....	554	.....	.....	.....	547.04
Putnam Heights from Putnam St. to Park Terrace	"	.....	750	.....	.....	.....	835.88
Steele St. from Asylum Ave. to St. Mary's Home	"	.....	2089	.....	.....	.....	2,139.57
Steele St. to St. Mary's Home	"	.....	397	.....	.....	.....	426.00
South St from McKinley St., west extension	"	.....	.....	70	.....	.....	134.96
Westland St from 10" pipe west	"	.....	20	.....	.....	.....	58 57
White St. from Harvard St. to Roger St	"	.....	*536	.....	.....	.....	608 75
Woodbine St., from Capitol Ave. South, (to replace 6")	"	.....	.....	.....	507	.....	1,067.51
Woodland Terrace from Albany Ave. South	"	.....	768	.....	.....	.....	791.73
York St. from Zion St. to Park Terrace	"	.....	589	.....	.....	.....	545.99
Hydrants, etc.		234		.....	.....	.....	70.20
Totals, - - - - - - - -		953	11995	631	2440		$17,227.94

953 feet 4 inch.
11995 " 6 "
631 " 8 "
2440 " 10 " —— 16019 feet in all.

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B.

Memorandum of Public Hydrants Set in 1905.

One in Baltimore Street, west side, 425 feet north of Albany Avenue, double hydrant.

One in Clark Street, east side, midway between Elmer and Nelson Streets, double hydrant.

One in Hamilton Street, West Hartford, near entrance to Hamilton Heights, double hydrant.

One in Hicks Street, north side, midway between Trumbull and South Ann Streets, single hydrant.

One in Hillside Avenue, southwest corner of Ward Place, double hydrant.

One in McKinley Street, east side, midway between South and Roosevelt Streets, double hydrant.

One in Putnam Heights, 325 feet west of Putnam Street, south side, double hydrant.

One in Putnam Street, northeast corner of Park Terrace, double hydrant.

One in Woodbine Street, 450 feet south of Capitol Avenue, double hydrant.

One in Woodland Terrace, southwest corner of Albany Avenue, double hydrant.

One in Woodland Terrace, 700 feet south of Albany Avenue, west side, double hydrant.

One in York Street, north side, 100 feet west of Zion Street, double hydrant.

Memorandum of Private Hydrants Set in 1905.

One in Huyshope Avenue, O'Connor Coal Co., in the coal yard, single hydrant.

One in Sisson Avenue, for House of Good Shepherd, single hydrant.

Two for St. Mary's Home for the aged, West Hartford, single hydrants.

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C.

Table Showing the Location and Size of Stop Gates set in the Main Conduits and Pipe Mains of the Distribution in 1905.

NOTE.—The measurements in the first column of "Co-ordinates" are taken at a right angle to the respective lines of the streets in which the Mains containing the Gates are located; those in the second column are taken in a direction at a right angle to the former, or parallel respectively to the lines of the aforesaid streets, except in cases particularly specified. All measurements are given in feet and inches.

The letter in the parenthesis [()] following a Co-ordinate denotes the direction of sight in taking the measurements; the other letters in the columns of Co-ordinates refer to the points of the compass and the line(L.) of the street, and the face (F.) of some building. A gate repeated under the head of a street other than in the one containing the Main in which it is inserted, is marked with an asterick (*).

NAME OF STREET.	LOCATION OF GATES.	MAIN WHEREIN PLACED.	SIZE IN.	CO-ORDINATES.	
Babcock Street....	School house at curb.....	Service Pipe....	4	73-10 S. of N. L. Building....	
Baltimore Street...	Intersection Albany Avenue...	Baltimore Street.	6	12-6 From W. L. Baltimore St.	N. L. Albany Avenue.....
Canton Street.....	Opposite Bellevue Street.....	Hydrant Branch.	4	7 out from face of hydrant..	
Capen Street.....	Intersection Barbour Street...	Barbour Street..	6	9-6 S. of N. curb Capen St....	W. L. Barbour Street.....
Capitol Avenue....	Pratt & Cady Co.....	Fire Service....	8	7 W. of W. L. of East Shop..	11-6 N. of N. curb L. Capitol Avenue .....
Church Street.....	Corner Union Place.....	Hydrant Branch.	4	3 out from face of curb.....	
Clark Street.....	Intersection Capen Street.....	Clark Street....	10	5 from West curb.....	N. L. Capen Street.....
" "	" Nelson Street....	" "	10	5 from West curb.....	S. L. Nelson Street.....
" "	" Westland Street..	" "	10	40-3 from house N. W. corner.	8-6 N. of N. L. same house..
Collins Street.....	St. Francis Hospital.....	Service Pipe....	4	34-6 W. of E. L. Hospital....	
East Street.....	Intersection Seyms Street.....	East Street.....	6	14-6 S. of S. L. No. 24 Seyms Street	10-2 W. of E. curb L. East St.
" "	Hartford County Jail.....	Service Pipe....	4	19 N. of N. L. building.....	At curb.....
Glendale Avenue...	Intersection Hillside Avenue..	Glendale Ave...	6	40 N. of N. L. house No. 65 Glendale Avenue.....	63 W. of W. L. of same.....
Hamilton Avenue..	" Farmington Ave..	Hamilton Ave...	6	16 E. of stone pier.....	S. L. of pier and wall.....
" " ..	To St. Joseph Seminary.....	Service Pipe....	6	W. L. Hamilton Street.....	26½ N. of fence L. N. of S. L.
" " ..	Entrance to Hamilton Heights.	Blow Off.....	6	N. S. roadway to Hamilton Heights	
Hawthorne Street..	Corner Sigourney Street.....	Hydrant Branch.	4	4 out from face of curb.....	
Hicks Street.....	Jewell Factory.....	Service Pipe....	4	50 W. of E. L. building.....	At South curb.....
" "	Intersection So. Ann Street...	Hicks Street....	8	27-4 from building S. E. corner	W. L. same building.....
" "	" Trumbull Street..	" "	8	13-8 from fence N. W. corner.	W. L. Trumbull Street.....

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C (continued).

Hillside Avenue...	"	Wilson Street....	Hillside Ave....	6	95-6 from Cor. house No. 80 Wilson Street.....	13 S. of S. L. same house....
" " ...	"	Hamilton Street..	" "	6	49 E. of E. L. house No. 37 Hamilton Street.....	19 N. of N. L. same house....
" " ...	"	Harbison Avenue.	" "	6	30 S. of S. L. No. 74 Harbison Avenue	94-6 W. of W. L. same house..
Hubbard Street....	Bloomfield		Hubbard Street.	4	9 from tree N. S.....	W. L. Blue Hills Avenue.....
" "	"		" " .	4	West end pipe 29-3 from Corner House.....	
Huyshope Avenue..	O'Connor Coal Co.....		Service Pipe....	4	6 West of fence.....	5½ N. of tree.....
" " ..	Intersection Wawarme Avenue.		Huyshope Ave..	6	31-9 from N. tree.....	44-9 from S. tree.....
Main Street.....	Sage, Allen & Co.....		Fire Service....	6	3-9 S. of N. L Pratt Street....	30-4 E. of W. L. Main Street..
" "	Corner Pearl Street.....		Hydrant Branch.	6	7 from Steamer Nozzle Hydrant	
" "	Corner Pearl Street, East Side.		" "	6	2-9 frome face of curb.....	
McKinley Street...	Intersection South Street.....		McKinley Street.	6	15 E. of W. L. McKinley St..	S. L. South Street.....
" " ...	" Roosevelt Street..		" "	6	15 E. of W. L. McKinley St..	N. L. Roosevelt Street.....
Nelson Street.....	" Clark Street.....		Nelson Street...	6	15 S. of N. L. Nelson Street..	W. L. Clark Street.....
No. Beacon Street.	No. Beacon Street.....		No. Beacon St..	6	6 from street inlet W. S. Beacon Street.....	S. L. Elizabeth Park (blow off)
Putnam Heights...	Intersection Putnam Street....		Putnam Heights	6	5 from N. curb.....	1 W. curb L. W. S. Putnam Street .....
" " ...	" Park Terrace.....		" "	6	5 from N. curb L.....	43-6 W. of W. L. house N. E. corner.....
Sisson Avenue.....	House of Good Shepherd.....		Service Pipe....	6	114 S. of S. L. of house.....	At curb.....
Steele Street.....	Intersection Asylum Avenue...		Steele Street...	6	15 from fence.....	N. L. Asylum Ave.....
" "	St. Mary's Home.....		Service Pipe....	6		
" "	St. Mary's Home.....		Blow Off.....	6		
Wells Street.....	Poli's Theatre.....		Fire Service....	6	5 E. of building No. 28.....	S. L. of same building.....
Westland Street...	Westland Street.....		Westland Street	6	7-6 S. of N. curb line.....	10-8 E. of E. C. L. S. on Clark Street .....
" " ...	Intersection Clark Street.....		" "	6	6-6 S. of N. C. L.....	9-2 W. of C. L. S. on Clark Street .....
White Street.....	" Harvard Street...		White Street...	6	20 S. of N. L. White Street..	E. L. Harvard Street.....
" "	" Roger Street.....		" " ...	6	20 S. of N. L. White Street..	E. L. Roger Street.....
Woodbine Street...	Underwood Typewriter Co....		Fire Service....	8	10-3 Back of Curb stone E. S.	2 S. of S. L. Factory.....
" " ...	Intersection Capitol Avenue...		Woodbine St...	10	29 N. of N. L. Bldg., No. 593 Capitol Avenue.....	29-3 E. of E. L. same building.
Woodland Terrace.	" Albany Avenue...		Woodland Ter...	6	5 E. of W. curb.....	S. L. Albany Avenue.....
York Street.....	" Zion Street.....		York Street....	6	15 S. of N. L. York Street...	W. L. Zion Street.....
" "	" Park Terrace.....		" "	6	15 from mere stone.....	E. L. Park Terrace.....

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D.

EXHIBIT OF THE RECEIPTS FROM WATER RENTS, THE YEARLY INCREASE OF THE SAME, AND THE AMOUNT OF CURRENT EXPENSES AND INTEREST FOR EACH YEAR, FROM THE COMMENCEMENT OF THE WORKS.

YEAR.	Amount received from Water Rents.	Increase of receipts over the preceding year.	Repairs and Current Expenses.	Interest on Bonds and Temporary Loans.	Excess of Receipts over Current Expenses and Interest.
In 1856....	$ 7,039 06		$6,577 84	$13,165 46	
In 1857....	16,154 19	$9,115 13	7,766 80	44,424 90	
In 1858....	22,930 16	6,775 97	6,885 56	22,500 00	
In 1859....	26,003 43	3,073 27	7,771 80	22,602 50	
In 1860....	30,047 69	4,044 26	8,471 48	22,695 25	
In 1861....	33,263 56	3,215 87	9,585 16	22,642 25	$1,036 15
In 1862....	37,010 90	3,747 34	11,190 22	22,582 00	3,238 68
In 1863....	40,347 49	3,336 59	16,129 87	22,779 17	1,438 45
In 1864....	45,645 95	5,298 46	21,822 11	23,120 82	703 02
In 1865....	54,640 80	8,994 85	26,221 69	22,698 38	5,720 73
In 1866....	62,329 08	7,688 28	22,614 87	36,304 25	3,409 96
In 1867....	65,465 91	3,136 83	16,389 79	39,049 99	10,026 13
In 1868....	68,813 65	3,347 74	15,015 05	43,286 66	10,511 94
In 1869....	77,092 06	8,278 41	15,172 54	45,027 17	16,892 35
In 1870....	81,638 35	4,546 29	21,591 39	44,919 92	15,127 04
In 1871....	83,794 12	2,115 77	25,695 80	47,396 77	11,001 60
In 1872....	93,009 28	9,215 16	25,763 40	46,431 66	20,814 22
In 1873....	99,228 40	6,219 12	27,707 52	49,034 00	22,486 88
In 1874....	103,247 83	4,019 43	33,957 06	54,750 00	14,540 77
In 1875....	110,797 11	7,549 28	42,033 01	63,030 00	5,734 10
In 1876....	115,540 32	4,743 21	29,661 17	61,620 00	24,259 15
In 1877....	116,901 28	1,360 96	26,270 47	63,120 00	27,510 81
In 1878....	116,939 68	38 40	30,186 52	63,120 00	23,638 16
In 1879....	117,746 61	906 93	30,994 81	62,120 00	24,631 80
In 1880....	121,280 66	3,534 05	36,297 24	60,245 00	24,738 42
In 1881....	127,542 37	6,261 71	40,115 85	58,745 00	28,681 52
In 1882....	132,881 72	5,339 35	36,969 67	57,460 50	38,451 55
In 1883....	138,902 75	6,021 03	29,988 49	55,911 67	53,002 59
In 1884....	142,196 32	3,293 57	31,943 32	54,803 33	55,449 67
In 1885....	143,815 72	1,619 40	30,587 00	54,088 74	59,139 98
In 1886....	144,152 04	336 32	31,298 19	52,630 41	60,223 44
In 1887....	146,945 58	2,793 54	28,415 99	51,432 50	67,097 09
In 1888....	151,529 37	4,583 79	28,940 13	49,932 50	72,656 74
In 1889....	154,239 06	2,709 69	31,032 49	48,411 66	74,794 91
In 1890....	159,351 41	5,122 35	32,115 83	44,588 75	82,646 83
In 1891....	166,600 57	7,249 16	34,835 33	40,120 00	91,645 24
In 1892....	172,649 67	6,049 10	31,077 91	41,270 00	100,301 76
In 1893....	186,998 96	14,349 29	32,471 74	45,321 89	109,205 33
In 1894....	191,726 27	4,727 31	32,150 33	43,770 00	115,805 94
In 1895....	201,757 28	10,031 01	43,333 12	43,770 00	114,654 16
In 1896....	218,780 92	17,023 64	35,780 38	44,089 45	138,911 09
In 1897....	237,576 22	18,795 30	55,591 34	43,862 47	138,142 41
In 1898....	242,340 86	4,764 64	59,991 88	41,520 00	140,828 98
In 1899....	253,988 40	11,647 54	55,258 95	35,228 33	163,501 12
In 1900...	257,501 33	3,512 93	61,114 06	28,200 00	168,187 27
In 1901....	255,075 34	.....	76,265 25	27,000 00	151,810 08
In 1902....	249,302 29	.....	77,364 37	27,000 00	144,937 92
In 1903....	257,579 34	8,277 05	84,478 94	27,000 00	146,100 40
In 1904....	256,078 56	.....	88,735 18	27,000 00	140,343 38
In 1905.....	256,752 07	673 51	108,287 05	27,000 00	121,465 02
	$5,593,171 39		$1,791,915 96	$2,085,823 35	

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E.

IN THE CONSTRUCTION OF THE HARTFORD WATER WORKS THE COST HAS BEEN APPROPRIATED TO THE VARIOUS DEPARTMENTS AS FOLLOWS:

Expended up to March.	Pumping Engine Pumps and Filtration.	Engine-House, Lot, Inlet, Pier, etc.	Storage Lot, Reservoir Lot, Gate House and Shop.	Distribution. Hydrants and Gates.	Service Pipe.	New Works at West Hartford, Farmington and Granby.	Meters and Plant.	Total.
In 1856....	$18,244 75	$56,047 95	$74,845 43	$182,610 75	$5,198 91	.....		$336,947 79
In 1857....	.....	25 25	.....	23,410 69	3,695 07	.....		27,131 01
In 1858....	.....	78 69	.....	3,646 68	2,545 92	.....		6,271 29
In 1859....	.....	1,213 81	23 34	6,250 15	2,328 11	.....		9,815 41
In 1860....	.....	355 79	.....	5,292 21	2,847 93	.....		8,495 93
In 1861....	.....	66 04	641 00	8,098 63	1,439 23	.....		10,244 90
In 1862....	.....	.....	.....	8,228 76	2,224 15	.....		10,452 91
In 1863....	.....	.....	.....	12,347 05	2,129 63	.....		14,476 68
In 1864....	.....	.....	.....	5,937 30	3,127 38	.....		9,064 68
In 1865....	.....	.....	.....	1,663 65	1,622 19	.....		3,285 84
In 1866....	.....	.....	.....	34,158 82	2,149 07	$205,542 52		241,850 41
In 1867....	.....	.....	.....	13,221 82	2,093 44	72,928 91		88,244 17
In 1868....	.....	.....	.....	13,140 34	4,592 21	86,449 41		104,181 96
In 1869....	.....	.....	.....	13,222 87	3,597 46	27,461 42		44,281 75
In 1870....	.....	.....	.....	26,665 06	4,776 71	13,113 64		44,555 41
In 1871....	.....	.....	8,000 00	30,528 68	4,852 14	200 00		43,580 82
In 1872....	2,880 00	.....	.....	36,229 83	5,338 45	496 79		44,945 07
In 1873....	9,600 21	.....	1,115 50	53,770 22	4,810 61	9,825 59		79,122 13
In 1874....	.....	.....	.....	21,501 80	4,806 59	111,685 20		137,993 59
In 1875....	.....	.....	.....	16,706 65	3,898 54	57,371 80		77,976 99
In 1876....	.....	.....	.....	13,141 23	2,134 99	7,629 04		22,905 26
In 1877....	.....	.....	.....	7,761 34	1,372 77	862 10		9,996 21
In 1878....	.....	.....	.....	1,875 68	1,694 87	11,544 94		15,115 49
In 1879....	.....	.....	.....	2,718 36	1,629 33	84,124 86		88,472 55
In 1880....	.....	2,450 00	.....	5,855 49	2,104 54	5,700 84		16,110 87
In 1881....	.....	.....	.....	10,685 02	2,963 30	3,194 50		16,842 82
In 1882....	.....	.....	.....	5,876 06	2,933 81	4,966 11		11,775 98
In 1883....	.....	.....	.....	9,647 71	2,267 45	26,703 39		38,618 55
In 1884....	.....	.....	.....	10,567 25	3,288 07	24,816 78		38,672 10
In 1885....	.....	.....	.....	7,183 57	2,358 67	10,514 67		20,056 91
In 1886....	.....	.....	5,208 56	5,813 58	3,030 14	22,226 65		36,278 93
In 1887....	.....	.....	.....	14,585 27	3,199 79	19,789 51		37,574 57
In 1888....	.....	.....	983 06	20,631 08	3,914 97	20,299 73		45,828 84
In 1889....	.....	.....	.....	13,755 04	3,584 52	11,621 83		28,961 39
In 1890....	.....	.....	.....	17,502 97	5,644 17	20,231 99		43,379 13
In 1891....	.....	.....	.....	15,019 58	4,509 77	45,964 88		65,494 23
In 1892....	.....	.....	.....	15,072 39	5,999 59	131,420 02		152,492 00
In 1893....	.....	.....	.....	10,302 98	6,454 13	232,622 14		249,379 25
In 1894....	.....	.....	.....	3,690 72	3,942 20	182,660 73		190,293 65
In 1895....	.....	.....	.....	18,661 91	4,920 90	59,514 99		83,097 80
In 1896....	.....	.....	.....	19,887 03	5,719 48	152,998 04		178,604 55
In 1897....				55,131 48	6,581 34	1,478 22		63,191 04
In 1898....				16,070 54	6,492 47	15,251 40		37,814 41
In 1899....	14,654 92			30,616 28	5,509 37	19,793 78		70,574 35
In 1900....				19,473 20	4,458 04	63,001 44	$35,095 77	122,028 45
In 1901....	1,144 98		1,506 83	33,253 68	5,895 92	42,513 82	62,936 88	147,252 11
In 1902....				46,947 15	4,718 31	6,261 50	59,983 76	117,910 72
In 1903....	6,459 06			16,648 36	5,753 11	1,771 04	12,077 39	42,708 96
In 1904....	3,726 16	.....	.....	17,688 84	7,861 70	12,972 61	8,651 92	50,901 23
In 1905....	.....	.....	.....	20,753 33	8,654 32	2,098 54	6,045 75	37,551 94
	$56,710 08	$60,237 53	$92,323 72	$1,003,449 08	$197,665 71	$1,829,625 37	$184,791 47	$3,424,803 03

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F.

Exhibit of the Number and Size of Gates and Hydrants Now in Use.

GATES. HYDRANTS.

YEAR WHEN SET.	DIAMETER IN INCHES.										TOTAL GATES.	NUMBER OF HYDRANTS.
	2	3	4	6	8	10	12	16	20	30		
1854–55	.....	.....	.....	26	7	.....	12	5	.....	.....	50	62
1856	.....	2	14	50	2	.....	.....	.....	.....	.....	68	41
1857	.....	.....	14	17	3	.....	.....	.....	.....	.....	34	18
1858	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	2	5
1859	.....	1	5	6	.....	.....	.....	.....	.....	.....	12	12
1860	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	2	4
1861	.....	.....	2	14	.....	.....	.....	.....	.....	.....	16	7
1862	.....	.....	5	11	1	.....	.....	2	.....	.....	19	10
1863	.....	.....	1	13	3	.....	2	.....	.....	.....	19	7
1864	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	5	3
1865	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
1866	.....	1	6	11	3	1	.....	2	10	.....	34	9
1867	.....	.....	.....	17	.....	.....	.....	.....	.....	.....	17	11
1868	.....	.....	1	7	.....	.....	.....	.....	.....	.....	8	6
1869	.....	.....	.....	14	2	.....	.....	.....	.....	.....	16	12
1870	.....	.....	3	10	.....	.....	.....	.....	4	.....	17	9
1871	.....	1	8	16	4	.....	.....	.....	.....	.....	29	19
1872	.....	.....	2	21	.....	.....	3	2	1	.....	29	24
1873	.....	1	4	35	4	.....	.....	2	.....	.....	46	21
1874	.....	.....	4	19	1	.....	2	1	14	.....	41	10
1875	.....	.....	16	17	2	2	.....	.....	3	.....	40	17
1876	.....	.....	5	6	1	.....	.....	1	.....	.....	13	11
1877	.....	.....	9	21	1	.....	.....	.....	.....	.....	31	13
1878	.....	.....	3	9	.....	.....	.....	.....	.....	.....	12	7
1879	.....	.....	6	9	.....	.....	.....	.....	.....	.....	15	15
1880	.....	.....	6	8	1	.....	.....	.....	.....	.....	15	14
1881	.....	.....	5	10	.....	.....	.....	.....	1	.....	16	12
1882	.....	1	7	12	1	.....	2	.....	.....	.....	23	9
1883	.....	.....	6	18	.....	1	.....	.....	8	.....	33	14
1884	.....	.....	1	12	.....	.....	.....	1	4	.....	18	34
1885	.....	.....	3	15	2	.....	.....	1	1	.....	22	15
1886	.....	.....	8	14	.....	.....	.....	.....	.....	.....	22	11
1887	.....	.....	1	11	.....	.....	.....	1	.....	.....	13	11
1888	.....	.....	.....	9	.....	.....	.....	.....	1	.....	10	12
1889	.....	.....	2	15	.....	.....	.....	.....	.....	.....	17	23
1890	.....	.....	1	19	3	.....	.....	.....	.....	.....	23	27
1891	.....	.....	.....	22	.....	6	.....	.....	2	.....	30	16
1892	.....	.....	.....	28	2	4	.....	1	2	.....	37	25
1893	.....	.....	1	17	.....	.....	.....	2	.....	.....	20	13
1894	.....	.....	.....	12	1	.....	.....	.....	2	.....	15	16
1895	.....	.....	22	12	.....	8	2	.....	.....	.....	44	11
1896	.....	.....	21	68	7	3	14	10	2	6	131	40
1897	.....	.....	26	60	4	.....	18	10	3	1	122	108
1898	.....	.....	15	32	1	5	1	.....	.....	.....	54	42
1899	.....	.....	14	43	2	.....	6	3	1	.....	69	50
1900	.....	.....	12	30	5	2	4	.....	.....	.....	53	28
1901	.....	.....	13	43	11	12	4	1	.....	.....	84	51
1902	2	.....	10	41	7	10	7	7	.....	.....	84	45
1903	.....	.....	12	19	1	2	1	.....	.....	.....	35	16
1904	.....	.....	4	27	1	3	1	.....	.....	.....	36	12
1905	.....	.....	10	32	4	4	.....	.....	.....	.....	50	12
Total....	2	7	308	987	87	63	79	52	59	7	1651	1023

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G.

TABLE SHOWING CAPACITY OF EACH OF THE SIX RESERVOIRS FOR EACH FOOT IN DEPTH.

Reservoir No. 1, West Hartford.		Reservoir No. 2, West Hartford.		Reservoir No. 3, West Hartford.		Reservoir No. 4, Farmington.		Reservoir No. 5, West Hartford.		Reservoir No. 6, West Hartford.	
No. Ft.	No. Gallons.	No. Ft.	No. Gallons.	No. Ft.	No. Gallons.	No. Ft.	No. Gallons.	No. Ft.	No. Gallons.	No. Ft.	No. Gallons.
34	145,985,543	41	283,694,375	36	145,595,829	20	601,353,592	23	94,132,000	27	765,115,175
33	137,346,976	40	270.063,013	35	138,112,841	19	553,288,529	22	81,850,000	26	721,612,512
32	128,707,409	39	256,431,652	34	130,629,853	18	505,223,467	21	76,800,000	25	678,109,849
31	120,069,842	38	242,800,291	33	123,146,865	17	457,158,405	20	69,265,000	24	634,607,276
30	111,431,275	37	229,168,930	32	115,663,877	16	409,093,342	19	62,600,000	23	591,104,643
29	102,793,108	36	215,537,569	31	108,180,888	15	361,028,280	18	56,300,000	22	547,602,011
28	95,780,541	35	203,707,432	30	101,720,786	14	321,678,405	17	50,250,000	21	509,670,198
27	88,767,974	34	191,877,298	29	95,260,684	13	282,328,530	16	44,400,000	20	471,738,385
26	81,755,407	33	180,047,164	28	88,800,587	12	242,978,655	15	38,829,000	19	433,806,527
25	74,742,840	32	168,217,030	27	82,540,480	11	203,628,780	14	33,525,000	18	395,874,699
24	67,730,270	31	156,386,896	26	75,880,376	10	164,278,905	13	28,550,000	17	357,942,871
23	62,435,348	30	146,589,193	25	70,658,773	9	138,320,610	12	23,650,000	16	326,863,391
22	57,140,426	29	136,791,493	24	65,437,170	8	112,362,315	11	19,225,000	15	295,843,911
21	51,845,504	28	126,993,793	23	60,216,567	7	86,404,020	10	14,894,000	14	264,794,431
20	46,550,582	27	117,196,093	22	54,994,964	6	60,445,725	9	10,800,000	13	233,744,951
19	41,255,659	26	107,398,393	21	49,773,362	5	34,487,430	8	7,510,000	12	202,695,471
18	37,366,809	25	99,664,340	20	45,325,590	4	27,589.944	7	5,200,000	11	179,647,347
17	33,477,959	24	91,930,289	19	40,878,818	3	20,692,458	6	3,410,000	10	156,599,223
16	29,589,109	23	84,196,238	18	36,431,046	2	13,794,972	5	952,802	9	133,551,099
15	25,700,259	22	76,462,187	17	31,983,274	1	6,897,486	4	762,240	8	110,502,975
14	21,811,409	21	68,728,126	16	27,533,403			3	571,680	7	87,454,851
13	19,583,330	20	62,872,617	15	23,384,228			2	381,120	6	72,610,903
12	17,355,357	19	57,017,098	14	20,235,053			1	190,560	5	57,766,955
11	15,127,281	18	51,161,579	13	16,085,878					4	42,923,007
10	12,899,205	17	45,306,060	12	12,936,703					3	28,079,059
9	10,671,039	16	39,450,541	11	9,287,518					2	13,235,112
8	9,364,775	15	34,912,738	10	7,596,651					1	6,617,556
7	8,058,513	14	29,374,927	9	5,905,784						
6	6,752,251	13	25,837,121	8	4,214,917						
5	5,446,089	12	21,299,315	7	2,524,050						
4	4,139,723	11	16,761,509	6	833,184						
3	3,800,600	10	14,071,320	5	666,547						
2	3,461,489	9	11,381,133	4	499,911						
1	3,122,372	8	8,690,946	3	333,275						
		7	6,000,759	2	166,639						
		6	3,310,572	1	60,000						
		5	2,650,331								
		4	1,990,092								
		3	1,329,853								
		2	669,614								
		1	9,375								

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H.

TABLE SHOWING THE RAIN-FALL IN INCHES FOR EACH MONTH SINCE JANUARY 1, 1889, AS RECORDED AT RESERVOIR No. 1, AT WEST HARTFORD.

Month.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	Totals.
Jan.....	4.97	2.25	8.48	4.77	3.20	1.72	4.83	1.32	3 50	3.31	3 33	3.60	1.39	2.22	3.14	3.24	3.46	58.73
Feb.....	1.34	3.48	4 27	1.68	4.27	3.12	1.42	4.20	3.14	3.91	2.53	8 28	0.50	3.02	4.50	2.31	1 33	53.30
March.	1.64	6.18	4.75	2.16	5.11	1 88	2.90	7.76	2 98	1.91	4 92	6.29	6.83	6.02	6.42	3.20	3.36	74.31
April....	3.47	2.92	3.35	1.01	3.61	2.23	4.38	0.74	2.21	3.19	2.74	1.53	11.17	3.95	2.90	5.70	2.43	57.53
May....	3.00	5.08	2.00	5.59	7.18	6.14	2.13	1.82	5.43	5.63	2.16	4.26	7.23	2.04	0.25	2 86	1.21	64.01
June.....	3.69	3.37	1.92	2.31	2.71	0.48	2.20	5.18	4.24	1.80	2.47	3.66	0.69	3.94	10.81	2.45	4.63	56 55
July.....	9.33	3 83	5.41	2.84	2.18	1.36	3.74	2.78	15.14	4.17	4.84	3.93	3 24	7.03	5.63	3.51	3.55	82.51
Aug.....	4.70	4.12	3.52	6.69	4.37	2.25	6.12	3.82	3.57	6.95	0.90	3.89	5.53	4.70	7.53	5.49	6.36	80.51
Sept.....	3.72	4.55	3.28	2.57	2.08	5.80	2.34	5.96	1.65	2.14	3.53	1.73	4.64	6.08	4.48	6.93	4.30	65.78
Oct.....	5.10	5.86	3.57	1.39	5.35	5.94	4.52	3.42	0.60	5.51	2.20	3.41	3.74	6.30	3.70	2.78	2.57	65.96
Nov.....	8.29	0.80	2.93	5.81	2.59	5.13	5.68	2.74	5.85	7.91	2.68	4.81	2.06	0.74	2.42	1.32	1.63	63.39
Dec.....	2.41	3.18	4.99	1.43	3.67	4.12	1.65	1.02	5.28	1.74	1.17	2.70	9.34	6.65	3.34	2.28	4.44	59.41
Total...	51.66	45.62	48.47	38.25	46.32	40.17	41.91	40.76	53.59	48.17	33.47	48.09	56.36	52.69	55.12	42.07	39.27	781.99
Yearly Average.....																		46.00

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I.

TABLE SHOWING THE RAIN-FALL IN INCHES FOR EACH MONTH, SINCE JANUARY 1, 1888, AS RECORDED BY G. J. CASE, Esq., OF CANTON, CONN.

Month.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	Totals.
Jan.....	4.16	5.15	2.47	9.29	5.06	3.47	2.90	3.73	1.93	3.44	4.97	3.17	3.52	1.54	3.11	4.10	4.32	6.69	73.02
Feb.....	5 01	1.57	4.39	4.46	1.54	6.01	3.58	0.66	9.30	3.66	4.12	4.17	9.11	0.49	5.98	4.46	2.17	1.12	71.80
March.	4.64	1.76	5.80	5.10	2.73	4.69	1.71	2.39	5.55	3.41	2.25	6.91	5.66	5 96	5.38	5.31	4.40	3.21	76.86
April....	2.89	4.02	2.35	3.91	0.68	4.22	2.54	3.50	1.03	2.55	3.72	2.03	1.64	12.30	5.13	3.07	5.08	2 38	63.04
May....	4.43	4.11	5.01	2.03	6.80	7.52	5.58	1.79	2.93	4.96	6.74	2.09	6.05	7.21	1.44	0.81	2.43	0.93	72.86
June.....	1 49	3.71	3.42	3.11	3.48	5.00	0.58	3.53	3.80	4.92	2.71	6.44	3.81	1.24	4.20	11.69	3.09	3 77	69.99
July	3.14	9.07	4.66	5.21	4.97	1.95	1.92	3.94	3.39	16.96	4.97	6.83	4.11	3.03	8.71	3.86	3.55	4.22	94.49
Aug.....	3.72	3.71	5.36	4.86	8.13	4.91	0.73	6.02	4.12	6.56	7.02	3.00	2 55	6.42	3.73	7.34	6.24	4.10	88.52
Sept.....	9.92	6.80	5.54	1.46	2.53	3.23	5.58	3.13	6.58	2.09	2.31	4.83	2.56	5.76	7.15	4.46	6.92	5.41	86.26
Oct.....	5.95	4.29	7.88	2 65	1.10	5.92	6.46	6.15	3.73	1.14	5.44	2.50	4.15	4.66	6.11	4.10	3.38	2.68	78.29
Nov.....	4.74	7.62	0.70	3.81	6.49	2.71	3.55	3.96	3.15	6.31	7.22	1.84	6 33	2.27	1.06	3.21	1.30	2.33	68.60
Dec.....	5.45	2.89	4.20	5.04	1.48	4 46	3.77	4.10	1.61	5.71	3.78	2.84	2.60	9.07	6.95	4.60	2.96	3.38	74.89
Total...	55.54	54.70	51.78	50.93	44.99	54.09	38.90	42.90	47.12	61.71	55.25	46.65	52.09	59.95	58.95	57.01	45.84	40.22	918.62
Yearly Average.....																			51.03

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J.

Meters in Use.

NAME OF MAKER.	NAME OF METER.	SIZE IN INCHES.								TOTAL.
		⅝	¾	1	1½	2	3	4	6	
Neptune Meter Co.	Trident...	1632	1216	187	31	15	9	6	....	3096
Neptune Meter Co. Ext.	Trident...	55	69	3	4	2	....	....	....	133
Neptune Meter Co.	Crest.....	.....	.....	.....	.....	1	1	3	....	5
Neptune Meter Co. Ext.	Crest.....	.....	.....	.....	.....	.....	1	....	....	1
National Meter Co.	Empire...	2336	2103	231	34	17	4	2	....	4727
National Meter Co. Ext.	Empire...	254	80	22	5	5	....	....	....	366
National Meter Co.	Nash.....	94	.....	.....	.....	....	....	...	....	94
National Meter Co.	Gem	.....	.....	.....	.....	3	....	2	....	5
National Meter Co. Ext.	Gem.....	.....	.....	.....	.....	....	....	....	1	1
National Meter Co.	Crown....	40	75	15	1	....	...	1	....	132
National Meter Co. Ext.	Crown....	.....	.....	2	.....	....	....	1	....	3
Thomson Meter Co.	Thomson	31	20	38	35	27	11	11	....	173
Thomson Meter Co. Ext.	Thomson	.....	2	.....	.....	2	2	...	....	6
Thomson Meter Co.	Lambert.	724	373	39	13	8	8	5	....	1170
Thomson Meter Co, Ext.	Lambert.	.....	.....	.....	.....	....	2	....	1	3
Hersey Mfg. Co.	Hersey....	50	.....	.....	3	8	2	2	....	65
Hersey Mfg. Co, Ext.	Hersey....	47	46	32	1	....	....	1	....	127
Hersey Mfg. Co. Ext.	Torrent..	.....	.....	.....	.....	....	....	5	4	9
Hartford Meter Co.	Undine....	.....	1	2	.....	6	3	....	....	12
E. C. Terry	Terry.....	.....	1	.....	.....	1	....	...	....	2
Worthington	Plunger..	1	1	1	.....	....	1	....	....	4
Union Meter Co.	Union.....	....	.....	1	.....	1	....	....	....	2
Buffalo Meter Co.	Niagara.	.....	1	.....	.....	....	....	....	....	1
		5264	3988	573	127	96	44	39	6	10137

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K.

Service Pipe Report for Year 1905.

Total number of new services of all sizes laid during the year in Hartford, West Hartford, Wethersfield and Bloomfield, 305.

The distribution of service pipes in the different towns served by the Hartford Water Works is exhibited in the following table.

TOWN	NUMBER OF SERVICES OF DIFFERENT SIZES.											
	½″	¾″	1″	1¼″	1½″	2″	2½″	3″	4″	6″	8″	Totals of All Sizes.
HARTFORD,	1	8517	864	53	126	90	3	6	115	50	10	9835
WEST HARTFORD,	.....	380	19	.....	3	1	.....	.....	2	2	.....	407
WETHERSFIELD,	.....	63	2	.....	.....	.....	.....	.....	.....	1	.....	66
BLOOMFIELD,	.....	12	7	.....	.....	.....	.....	.....	1	.....	.....	20
Totals,	1	8972	892	53	129	91	3	6	118	53	10	10328

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L.

MEMORANDUM OF MAIN PIPE.

Name of Street.	Hydrant branches					Size and length of pipe.						
	4" feet	6" feet	1½" feet	2" feet	3" feet	4" feet	6" feet	8" feet	10" feet	12" feet	16" feet	20" feet
Adams St.	8						608					
Adelaide St.	71						2791					
Affleck St.	21					675	31					
Albany Av. (Main St. to Steele St)	69	76				4429	4385	203	3274			
Alden St.	30						815					
Allen Place	27						2188					
Allyn St.	79						1619					
American Row							151					
Amity St.	18						1380					
Ann St.	72	7					2164					
Annawan St.	10						1045					
Arch St.							1158					
Arthur Place						218						
Ashley St.	87						3364					
Ashton St.							237					
Ashton Terrace	11						300					
Asylum St. (Main St. to entrance Golf Club)	377	211					9641	878	10	2417	627	2910
Atheneum St.	9					381	36					
Atlantic St.	19					245	239					
Atwood St.	7					361	574				908	
Auburn St.							54					
Avon St.	55						1573					
Babcock St.	63	23					2084					
Baltimore St.	6						440					
Barbour St.	111						4937					
Barker St.							628					
Barnard St.	9						13	772				
Bartholomew Ave.	40						2015		435	17		
Beach St.	30						588					
Beacon St.	51	8					2959					
Belden St	7	22						910				
Bellevue St.	66						3126					
Belmont St.	9						867					
Benton St.	45						2279	415				
Blue Hills Ave. (Hartford and Bloomfield)	126					298	11722					
Bodwell St.	9						1113					
Bond St.	33						2110	561				
Bonner St.	14						743					
Boulevard, Regent to Hazel	26							613				
Brady Place	19						542					
Broad St.	161	60				480	2284	20		10	8346	
Brook St.	40					222	1758					
Brown St.	68						2316					
Brownell Ave.	22						359					
Buckingham St.								1945				
Burton St.	32						1012					
Bushnell Park						608	285		127			
Bushnell St.	40						1818					
Campfield Ave.	24	9								1680		
Canton St.	31					941	117				1072	
Capen St.	40						3615					
Capitol Ave.	119	136					2137	216	915	3419		
Capitol Ave. Extension			561				247					
Cedar St.	28					1161	76					
Cemetery St.						763	309					
Center St.	15						1010					
Central Row	20	14					480					
Chadwick Ave.	15						1296					
Chapel St.	31						758					
Charles St.	7				474	358						

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Name of Street.	Hydrant branches					Size and length of pipe.						
	4" feet	6" feet	1¼" feet	2" feet	3" feet	4" feet	6" feet	8" feet	10" feet	12" feet	16" feet	20" feet
Charlotte St.	25						1293					
Charter Oak Ave.	71	70					2626				2216	
Charter Oak Place	25						1207					
Chestnut St.	14						1105					
Church St.	58						1921	1026		40	2876	
Clark St.	40								1928			
Clay St.	9						370					
Clermont St.				880								
Clinton St.	3						595					
Collins St.	53	9					2871				2493	
Colt's Meadow (Wethersfield Ave. to Hendricxsen Ave.)							2557					
Columbia St.	6						348					
Commerce St.	25					1419	1132					
Cone St.	18						1291					
Congress St.	28						1018					
Cottage Place			892				80					
Crane's Court						250						
Crown St.	10						848					
Curcombe St.							461					
Cushman St.	6						748					
Dean St.	8						661					
Deerfield Ave.	33						1156		36			
Dewey Ave.							28					
Donald St.	12					490						
Douglas St.	10						651					
East St.	4						930					
Eaton St.	65						1218					
Edgewood Ave.	23						270					
Edwards St.	24							2058				
Ellery St.	5					393						
Elliott Place	9						371					
Elliott St.	32						1007					
Ellsworth St.	8						882					
Elm St.	88	36					1853	57		1866		
Elmer St.	15						926					
Ely St.							565					
Evergreen Ave.	23						1195					
Fairfield Ave.	75						5627					
Fairmount St.	15						1190					
Fales St.	8						545					
Farmington Ave.	223	6				22	40	841				3051972
Fern St.	33						430		785			
Ferry St.	18					542		37				
Flatbush Ave.			4256									
Florence St.	7						808					
Flower St.	30					556	420	265				
Foot Guard Place	13						777					
Ford St.	26	51					10	536				
Forest St.	54						2203					
Francis Ave.	69						2022					
Frankfort St.				1329								
Franklin Ave.	157						2128	4009		5		
Freeman St.						498	32					
Front St.	120	152				518	5172		3093		2190	
Garden St.	215	10				763	3016			1222	5170	
George St.	20						1179					
Gillett St.								14		163	1509	
Gilman St.	18						649					
Girard Ave.	22						2045					
Glendale Ave.	27						1109					

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Name of Street.	Hydrant branches 4" feet	Hydrant branches 6" feet	Size and length of pipe. 1½" feet	2" feet	3" feet	4" feet	6" feet	8" feet	10" feet	12" feet	16" feet	20" feet
Gold St.						493	16					
Goodman Place	20						351					
Goodwin St.						371						
Governor St.	33						1702					
Grace St.	27						784					
Grand Ave.				1896								
Grand St.	34						1646					
Green St.	34						985					
Greenfield Ave.	39						1416					
Greenwood St.							304					
Grove St.	50					1800	84					
Hamilton Ave (W.Htfd)		11					857					
Hamilton St.	16					10	3640					
Harbison Ave.	27						1081					
Harold St.	17					1725						
Harper St.	8			849			17					
Harrison St.	14						1006					
Harvard St.	10						795					
Hawthorne St.	39						2730					
Haynes St.	5						300					
Hazel St.	30						1243					
Heath St.	39						1209					
Hendricxsen Ave.	8						1660					
Hicks St.	6							561				
High St.	32						2229					
Highland St. (W. Htfd)		10				1626	24					
Hillside Ave.	6		445			275	1319					
Homestead Ave.	10							620	28			
Hopkins St.	62						1205					
Howard St.	9					167	228					
Hubbard St.(Bloomfield)						568						
Hudson St.	42	20					1857					
Hungerford St.	73					360	1663					
Huntington St.	68						2079					
Huntley Place	22					571						
Hurlburt St.	25						260					
Huyshope Ave.	88	12				529	2599		564	875	16	
Imlay St.	33	7					1116					
Irving St.	39						880					
James St.	26						1012					
Jefferson St.	66						2903					
Jewell St.	14	42					1115					
John St.	50						1045					
Judson St.							869					
Julius St.	14						985					
Kennedy St.	4					700						
Kenyon St.	59						2112					
Kibbe St.	6						762					
Kilbourne St.	14					570	48					
King St.	9						852					
Kinsley St.	7					280	241					
Lafayette St.	15						1525					
Laurel St.	104						2670		1560			
Lawrence St.	53	31					2830	307				
Lee St.	9						130					
Lenox Place	6						1266					
Lewis St.	8						553					
Liberty St.	5						863					
Lincoln St.	51					403	1163					
Linden Place	9				444		333					

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Name of Street.	Hydrant branches		Size and length of pipe.									
	4" feet	6" feet	1½" feet	2" feet	3" feet	4" feet	8" feet	8" feet	10" feet	12" feet	16" feet	20" feet
Loomis St.	8						582					
Lorraine St.	9						1058					
Love Lane							1011					
McKinley St.	25						495					
Madison Ave.	28						1698					
Madison St.	12						1193					
Magnolia St.	34						460					
Mahl Ave.	27						900					
Main St.	825	338					150	55	1444	5420	7137	
Mannz Court	5					360						
Maple Ave.	159	40					224			3602	1254	
Market St.	71					1281	964					
Marsh Court						480						
Marshall St.	7						865					
Martin St.	54						1941					
Masseek St.					283	16						
Mather St.	52					947	1463				2382	
May St.	9					512	382					
Mechanic St.	45					649	28					
Morgan St.	13					291	1104					
Morris St.	11					672	350					
Mountain St.	11						728					
Mountain St. (W. Htfd)						990						
Mulberry St.		9					499					
Myrtle St.								804			804	
Nelson St.							26					
New Britain Ave.	307						10857					
Newfield Ave.			727									
Newington Ave.	38						2275					
New Park Ave.	126						7526					
Niles St.	29						2135					
Norman St.							55					
North St.	30						792					
North Beacon St.	63						3181					
Oak St.	49					201	1703					
Olive St.	9					638						
Orange St.							20					
Orchard St.						229						
Oxford St.	41						2821					
Park Ave.	8						290					
Park St. (Main St. to Prospect Ave.)	135	44					7021	341	2791	61		
Park Terrace	11					980						
Pavilion St.	14					300	425					
Pawtucket St.	9						633					
Pearl St.	17	183					1758				1740	
Pequot St.	6					495						
Pleasant St.	32	26			387		1437				793	
Pliny St.	34						1385					
Portland St.	3					460	572					
Potter St.	18	20				320	635	1405				
Pratt St.	14						659					
Preston St.	30	12					1088			1900		
Prospect Ave.	299						1742		4280	3366		
Prospect St.	16						1246					
Putnam Heights	32						747					
Putnam St.	86						2802					
Queen St.	15						772					
Raymond St.	31						698					
Regent St.	8						508					
Retreat Ave. Jeff. to Wash	43	11					2477					

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Name of Street.	Hydrant branches		Size and length of pipe.									
	4" feet	6" feet	1½" feet	2" feet	3" feet	4" feet	6" feet	8" feet	10" feet	12" feet	16" feet	20" feet
Riverside St.						121	359					
Roosevelt St.	33						1191					
Rose St.	10						757					
Rowe Ave.	31						1388					
Russ Ave.	8						1867					
Russell St.	13					1084						
Sanford St.	10					574	450					
Sargeant St.	61						3331					
Scarborough St.	16						3029					
Sequassen St.	45	77				193	574	19	391			
Seymour St.	48						691	1354				
Seyms St.	21						1078					
Sheldon St.	53	26					2960	1211				
Sherman St.	8						880					
Shultas Place	34	8					1036					
Sigourney St.	118	7		485			3579	518	1582			
Sisson Ave.	71						3558					
Smith St.	107						3480			15		
South St.	32						113	820				
South Ann St.	5						361					
South Hudson St.	22						806					
South Prospect St.							777					
South Woodbine St.	5					225						
Spring St.	10	12						552		34	1160	
Spruce St.	27						690					
Squire St.						637	11					
Standish St.	44						1600					
State St.	109	35				98	10	516	1097	7		
Steele St. (West Htfd)							2097					
Suffield St.						599	571					
Summit St.							1072					
Sumner St.	28						1252					
Talcott St.	37						1384					
Taylor St.	24						637					
Temple St.	11					513	519					
Townley St.	6					576						
Tremont St.	61						1210					
Trinity St.	17							1453				
Trumbull St.	50	111				348	437	30	1661	305		
Union Place	20						694					
Union St.	19					677						
Van Block Ave.					1044							
Van Dyke Ave.		15					70					
Vernon St.	56						2939					
Village St.	8					1046	192				948	
Vine St.	77						6460					
Vredendale Ave.							580					
Wadsworth St.	29					1111	51					
Walnut St.	70					15	2549					
Ward Place			492									
Ward St.	56						2596					
Warner St.	18					1014						
Warren St.	19						579					
Warrenton Ave.	75						2153	258				
Washington St.	103						908	4279	457			
Water St.											515	330
Waverly St.	7						548					
Wawarme Ave.	32					360	1160					
Webster St.	41						1506					
Weehasset St.	28						1132					

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Name of Street.	Hydrant branches		Size and length of pipe.									
	4" feet	6" feet	1½" feet	2" feet	3" feet	4" feet	6" feet	8" feet	10" feet	12" feet	16" feet	20" feet
Wellington Ave.	10		38				1081					
Wells St.	20						1036					
West St.						583	378					
Westland St.	9						3757	36				
Wethersfield Ave. (Wyllys St. to State Prison)	212					6	9617	4473	1072			
White St.			520				568					
Whiting St. (W. Htfd)							925					
Whitman Court						373						
Whitman St.	40						1450					
Whitney St.	41						1010					
Willard St.	34						1029					
Williams St.	10						1181					
Willow St.	7						1090					
Wilson St.	31						1304					
Windsor Ave.	268	10					7333	4294		3904		
Windsor St.	151	79				304	3170	1347	2966	32		
Winship St.	32						915					
Winter St.	8						579					
Winthrop St.	19						598					
Wolcott St.	16					625	46					
Woodbine St.	17	10					594		515			
Woodbridge St.	9					363	347					
Woodland St.	164						5643					
Woodland Terrace	30						765					
Wooster St.	28					1077	810					
Wyllys St.	62						1169	1531				
York St.	7						585					
Zion St.	50						5188					
Total	11785	2106	8280	5439	2632	49382	415096	42160	31011	30360	44186	55212

	24" feet.	30" feet.
Engine house, extending into river	140	
Pipe line from Reservoir No. 1, through Boulevard to Park street to Main street,		29329
Pipe line, West Hartford,	9400	
Total	9540	29329

139 miles and 2,598 feet of pipe in all, 3 miles and 1,954 feet of cement pipe, and 136 miles and 644 feet of galvanized iron and cast iron pipe.

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REPORT

OF THE

Board of Fire Commissioners

FOR THE

Fiscal Year Ending March 31, 1906.

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Board of Fire Commissioners,

1905 - 1906.

OFFICE—36 PEARL STREET.

CHARLES E. PARKER, *President.*
Term expires 1906.
Residence 14 Whitney St. Place of business 50 State St.

JAMES T. MURRAY.
Term expires 1906.
Residence 172 Clark St. Place of business 253 Asylum St.

JOHN S. HUNTER.
Term expires 1907.
Residence 15 Washington St. Place of business 223 State St.

DANIEL READETT.
Term expires 1907.
Residence 91 Wooster St. Place of business N.Y.N.H.&H.R.R.Co.

ROBERT W. DWYER.
Term expires 1908.
Residence 33 Imlay St. Place of business Dime Savings Bank.

WILLIAM E. SALL.
Term expires 1908.
Residence 76 Seymour St. Place of business Colt's Armory.

GEORGE A. REYNOLDS, *Clerk of Board.*
Residence 15½ Vernon St. Office 36 Pearl St.

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Committees.

The following are the Committees appointed for the municipal year ending April 1, 1907, together with the items of expenditures under their jurisdictions:

Buildings and Repairs:

Commissioners Parker and Dwyer.

Real Estate and Repairs.
Insurance on Buildings, etc.
Furniture and Bedding.
Lighting.
Water and Ice.
Washing, Towels, etc.

Engines:

Commissioners Hunter and Readett.

Apparatus and Repairs.
Coal and Wood for Engines.
Boiler Insurance.
Machinery and Tools.

Chemical Engines, Hose and Hose Wagons:

Commissioners Dwyer and Hunter.

Hose and Repairs.
Printing and Stationery.
General Supplies.
Wagons, Trucks and Hose Carriages.

Horses:

Commissioners Murray and Parker.

New Horses.
Horseshoeing.
Extra Horse Hire.
Forage.
Harness and Repairs.
Veterinary.

Telegraph and Fuel:

Commissioners Sall and Murray.

Coal for General Use.
Fire Alarm Reconstruction and Extension.
Telephones.
New Gongs and Fire Alarm Boxes.

Uniforms and Badges:

Commissioners Readett and Sall.

Uniforms and Badges.
Incidentals.

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REPORT.

HARTFORD, CONN., March 26, 1906.

To the Honorable Court of Common Council:

The forty-second annual report of the Board of Fire Commissioners is herewith respectfully submitted:—

FINANCES.

Amount of regular appropriation for 1905-1906....		$149,050.00
Disbursements (as per tabulated statement)	$145,603.86	
Balance reverting to city treasury	3,446.14	$149,050.00

SPECIAL ACCOUNT.

Received for rent of tenement at Engine Co. No. 6	$114.62
Received from sale of old hose	9.25
Received from sale of old wire	21.50
Received from sale of sundries	1.75
Total amount paid to city treasurer	$147.12

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IN ACCORDANCE with usual custom, we submit a resume of the work of the department during the year just closing, as well as our recommendations looking toward the improvement of the present efficient force. There have been no extensive conflagrations, the most serious losses occurring in the Boardman building on Asylum street, December 18, 1905, the storehouse of Wise, Smith & Co., October 20, 1905, and more recently at the Day building, corner of Asylum and Trumbull streets; all being stubborn fires to handle. The chief, the subordinate officers and members of the department are all entitled to great credit for the efficient manner in which they have filled their respective positions.

During the past three months there have been an unusual number of alarms and a number of accidents have occurred to our firemen, but fortunately none of them have been permanently disabled. On February 28, 1906, in responding to an alarm from Box No. 93, a team of horses attached to hose wagon No. 7 knocked down Mr. David Calhoun on Windsor street, and, from injuries sustained, he died a few hours later. An occurrence of this nature should be a warning to the public of the importance of remaining on the sidewalks and a safe distance from all apparatus. We desire to go on record as being in favor of the passage of an ordinance which will require the immediate stoppage of all traffic within the fire limits of the city, upon the ringing of an alarm.

In accordance with suggestions from the Board the Chief of the Department has begun a system of inspections of buildings in the business section of the city, which should result in much benefit to the members of the department in an educational way and also have a tendency to caution owners or tenants of property from allowing the storage or accumulation of combustible material on their premises. If conditions are found to exist which will have a tendency to make a property extra hazardous, and there should not be a prompt disposition to correct the evil, a report will be made to the fire marshall, who will proceed to act in accordance with authority vested in his office.

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In accordance with authority given this Board, we have contracted for a new city truck of pattern made by the American-La France Fire Engine Company of Elmira, N. Y. This will be of much lighter construction than any of the trucks now in use in the department, and should prove of much value in enabling the apparatus to more quickly respond to alarms particularly in out-lying sections of the city. We also hope during the next year to make some definite arrangement for the housing of a truck at Engine House No. 1, and it would be of great advantage to have a building erected at that location to be used as a department storehouse, and also for the mechanical work of the department.

Should the resolution recently adopted by your honorable body appropriating the sum of $30,000 for the purchase of land on or near Albany avenue, west of Vine street, the erection of an engine house thereon and properly equipping the same, be approved at the city meeting in April, it will be filling a much needed want in a section of the city which is growing very rapidly and entitled to more and immediate protection. It may also give this Board an opportunity to add a city truck with chemical tanks as a part of the equipment, which would be called upon to answer alarms in the north and west sections, thus distributing the trucks in different parts of the city for more effectual service.

It will be necessary to have a new engine to replace No. 6, which has been in the service since 1868, being the oldest engine in active service, and which may become disabled at any moment. Our request for an amount sufficiently large to cover the purchase of a new engine having been favorably reported to your honorable body and included in our appropriation for the next year, this matter shall have our immediate attention.

The request made of, and favorably acted upon by your honorable body, by which the permanent members of the department get three days off each month and in addition ten days' vacation each year, will, we hope, have a tendency to make the men more contented with their positions, which we all realize are hard ones to fill.

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We regret that a recent request of this Board to make Engine Company No. 1 a permanent company should not have met with your favorable consideration. We, however, again recommend that during the next year the matter be fully considered and let us take lessons from other places that have suffered from lack of a sufficient fire fighting force by placing this department on a permanent basis as speedily as the finances of the city will allow.

The addition of another company to the department will add more detail work to the duties of the clerk and we again recommend that the position of permanent clerk be established, believing that the growth of the department requires the services of a clerk who shall devote his entire attention to the work of the office.

In conclusion we desire to cheerfully express our thanks to His Honor, the Mayor, and to your Honorable Body for the many courtesies extended this Board during the year.

Respectfully submitted,

CHARLES E. PARKER, President,
JAMES T. MURRAY,
JOHN S. HUNTER,
DANIEL READETT,
ROBERT W. DWYER,
WILLIAM E. SALL,
Board of Fire Commissioners.

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	Head-quarters	Fire Alarm	General Use	Engine Co. No. 1	Engine Co. No. 2	Engine Co. No. 3	Engine Co. No. 4	Engine Co. No. 5	Engine Co. No. 6
Apparatus and Repairs	.....	.....	$ .75	$ 688.55	$ 379.44	$ 270.10	$ 110.06	$ 107.55	$ 15.50
Coal and Wood for Engines.	.....	.....	275.00	18.00	.....	27.00	51.00	9.00	9.00
Coal for General Use	$ 231.44	$ 37.75	.....	204.60	199.17	483.25	273.80	198.50	186.00
Extra Horse Hire	.....	.....	.....	.....	.....	25.00	25.00	.....	25.00
Fire Alarm	.....	1,011.11	.....	.....	.....	.....	.....	.....	.....
Forage	.....	.....	4,019.39	330.53	150.29	95.91	150.76	220.53	161.78
Furniture, Etc.	31.75	.....	184.20	.....	.....	.....	35.15	.....	71.16
Gas and Electric Light	267.65	10.50	149.70	240.74	82.20	139.14	165.37	135.02	173.69
Harness and Repairs	140.80	40.80	232.60	36.30	23.15	18.75	16.35	27.95	24.80
Horse Shoeing	148.08	64.15	70.15	158.09	114.48	68.61	183.25	87.75	97.38
Hose and Repairs	.....	.....	5,402.23	.....	22.95	.....	.....	37.50	.....
Insurance	.....	.....	2,982.50	.....	.....	.....	.....	.....	.....
New Horses	.....	.....	1,500.00	.....	.....	.....	.....	.....	.....
Printing and Stationery	341.04	122.50	4.00	.....	.....	.....	.....	.....	.....
Real Estate Repairs	392.46	25.24	153.38	477.29	112.53	573.07	725.75	45.48	79.20
Rent	450.00	.....	.....	.....	.....	.....	.....	.....	.....
Supplies	10.30	205.08	1,054.64	24.54	47.94	62.28	104.48	7.51	38.60
Telephone	199.66	119.63	.50	48.00	48.00	48.00	48.00	48.00	48.00
Uniforms and Badges	50.00	.....	32.45	.....	.....	.....	.....	.....	.....
Veterinary	21.00	3.00	106.50	58.10	11.50	9.00	44.50	12.00	8.00
Wagons and Repairs	10.80	27.00	46.40	95.62	.....	93.50	21.00	71.00	91.85
Washing	.....	.....	.....	51.17	40.33	83.87	74.96	41.25	46.52
Water and Ice	136.70	.....	.....	44.97	41.32	58.19	63.36	37.22	44.07
Incidentals	37.12	183.28	54.67	.....	.....	.....	.....	6.00	1.00
Conduits	.....	998.68	.....	.....	.....	.....	.....	.....	.....
Pay Roll	5,339.71	3,260.01	7,049.52	5,703.48	6,043.27	8,911.38	8,659.88	5,983.05	5,974.64
Total	$7,808.51	$6,108.73	$23,318.58	$8,179.98	$7,316.57	$10,967.05	$10,758.67	$7,070.31	$7,095.19

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	Engine Co. No. 7	Engine Co. No. 8	Engine Co. No. 9	Engine Co. No. 10	Engine Co. No. 11	Engine Co. No. 12	Truck Company	TOTAL
Apparatus and Repairs	$ 429.87	$ 292.76	.....	.....	.....	.....	.....	$ 2,294.58
Coal and Wood for Engines	.....	9.00	$ 1.00	.....	.....	.....	.....	399.00
Coal for General Use	232.70	229.50	18.60	$ 167.40	$ 175.25	$ 289.05	$ 248.00	3,175.01
Extra Horse Hire	.....	.....	.....	.....	.....	.....	50.00	125.00
Fire Alarm	.....	.....	6.09	.....	.....	.....	.....	1,017.20
Forage	253.88	241.53	94.44	159.29	69.27	187.03	303.74	6,438.37
Furniture, Etc.	.....	.....	.....	1.95	49.90	.....	43.64	417.75
Gas and Electric Light	132.50	111.89	.....	75.40	56.86	130.63	186.02	2,057.31
Harness and Repairs	3.50	29.95	4.00	13.10	3.50	1.50	21.10	638.15
Horse Shoeing	157.13	138.39	70.53	63.50	38.63	182.15	269.79	1,912.06
Hose and Repairs	3.00	.....	.....	.....	.....	.....	.....	5,465.68
Insurance	.....	.....	.....	.....	.....	.....	.....	2,982.50
New Horses	.....	.....	.....	.....	.....	.....	300.00	1,800.00
Printing and Stationery	.....	.....	.....	.....	.....	.....	.....	467.54
Real Estate Repairs	228.85	276.20	12.52	169.07	77.02	566.88	682.51	4,597.45
Rent	.....	.....	.....	.....	.....	.....	.....	450.00
Supplies	20.46	43.97	112.52	29.47	37.72	47.50	34.59	1,881.60
Telephone	48.00	48.00	48.00	48.00	48.00	48.00	48.00	943.79
Uniforms and Badges	.....	.....	.....	.....	.....	1.75	.....	84.20
Veterinary	8.20	8.00	23.00	31.75	3.00	11.50	83.94	442.99
Wagons and Repairs	58.95	55.25	104.00	35.00	18.00	16.50	2,437.95	3,182.82
Washing	47.39	54.75	50.88	39.83	37.00	74.82	124.64	767.41
Water and Ice	73.44	56.14	.....	34.47	28.32	46.23	76.17	740.60
Incidentals	.....	.....	.....	.....	.....	.....	123.95	406.02
Conduits	.....	.....	.....	.....	.....	.....	.....	998.68
Pay Roll	6,079.58	6,047.82	4,209.36	4,149.27	4,103.81	6,387.73	14,015.64	101,918.15
Total	$7,777.45	$7,643.15	$4,754.94	$5,017.50	$4,746.28	$7,991.27	$19,049.68	$145,603.86

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Officers of the Fire Department.

Chief of Department.

LOUIS KRUG.

Office, Headquarters 43 Pearl Street. Residence 46 Huntington Street.

Assistant Chief of Department,

AUGUSTUS LOOMIS, Residence 130 Clark Street.
Office 60 Ann Street.

First Assistant Engineer,

EDWIN H. WILLIAMS, Residence 65 Jefferson Street.

Second Assistant Engineer,

HAMLET P. BARBER, Residence 232 Garden Street.

Superintendent of Fire Alarm Telegraph,

GEORGE W. HAMILTON, Residence 29 Ashley Street.

Assistant Superintendent,

EDWARD A. SULLIVAN, Residence 62 Green Street.

Lineman,

DAVID DE MAR, Residence 6 Walnut Street.

Permanent Substitutes,

JOSEPH F. CUMMINGS,	Residence 21 Sumner Street.
MICHAEL J. TRACY,	149 Park Street.
GEORGE E. HILL,	40 Brook Street.
MATTHEW J. GRAHAM,	18 Pavilion Street.
CHARLES A. CUTLER,	19 Goodwin Street.
NELSON A. BAVIER,	51 Babcock Street.
ALBERT N. CROCKER,	50 Russell Street.
JOHN T. FISHER,	177 Capen Street.
LOUIS G. HILLMAN,	82 Sargeant Street.
CHARLES C. DOUGHERTY,	74 Retreat Avenue.
JOHN M. KENEFICK,	98 Maple Avenue.

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ENGINE COMPANY No. 1.

Charles E. Wright,	Foreman.
William J. Smith,	Engineer.
Edward Y. Reid,	Stoker.
Michael A. Fagan,	Engine Driver.
James J. Shannon,	Hose Driver.
John F. Wall,	Bunker.
Robert T. Sutherland,	Hoseman.
Edward A. Meagher,	Hoseman.
Henry C. Hallauer,	Hoseman.
Charles A. Gunn,	Hoseman.
James H. Smith,	Hoseman.
Michael J. Meade,	Hoseman.
Fred A. Daniels,	Hoseman.

ENGINE COMPANY No. 2.

George F. Claffey,	Foreman.
Albert B. Camp,	Engineer.
Edward J. Cosgrove,	Stoker.
John E. Carey,	Engine Driver.
David F. McSweegan,	Hose Driver.
Thomas F. Mulcahy,	Hoseman.
James P. Whalen,	Bunker.
John M. Smith,	Hoseman.
Charles C. Champlin,	Hoseman.
Thomas McManus,	Hoseman.
C. Robert Wolf,	Hoseman.
Timothy Connors,	Hoseman.
Frank Claffey,	Hoseman.

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ENGINE COMPANY, No. 3.

George S. Liebert,	Foreman.
James W. Bouchard,	Engineer.
John Keena,	Stoker.
Burt W. Randall,	Tillerman.
Charles H. Frye,	Hose Driver.
P. H. Santoro,	Hoseman.
Timothy J. Leary,	Hoseman.
John J. Daly,	Hoseman.
Oliver S. Lathrop,	Hoseman.

ENGINE COMPANY No. 4.

George Estlow,	Foreman.
John C. Moran,	Engineer.
Edward T. Murphy,	Stoker.
James Magonigal,	Tillerman.
Ernest M. Quigley,	Hose Driver.
John P. Dolan,	Hoseman.
John J. McNally,	Hoseman.
John F. Sullivan,	Hoseman.
Edward J. Claffey,	Hoseman.

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ENGINE COMPANY No. 5.

Frank L. Stannard,	Foreman.
Augustus P. Lyons,	Engineer.
William F. Dougherty,	Stoker.
Robert J. Hutchison,	Engine Driver.
William C. Case,	Hose Driver.
Edward W. Dillon,	Bunker.
James W. Radigan,	Bunker.
Martin W. Mahan,	Hoseman.
John J. Elwood,	Hoseman.
James J. Ducey,	Hoseman.
C. J. Sullivan,	Hoseman.
John J. Walsh,	Hoseman.
Daniel Burke,	Hoseman.

ENGINE COMPANY No. 6.

John A. Staib,	Foreman.
John J. McIntyre, Jr.,	Engineer.
Charles R. Yorgensen,	Stoker.
John Glynn,	Engine Driver.
John F. Dungan,	Hose Driver.
William J. Turner,	Bunker.
Herbert Bagshaw,	Bunker.
George W. Staib,	Hoseman.
William M. Quinn,	Hoseman.
George P. Scott,	Hoseman.
Joseph Vannie,	Hoseman.
Dennis P. Moylan,	Hoseman.
Henry Joseph O'Brien,	Hoseman.

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ENGINE COMPANY No. 7.

John R. Kemmerer,	Foreman.
Charles Milton,	Engineer.
Joseph W. McClellan,	Stoker.
John J. Broughel,	Engine Driver.
Fred Wood,	Hose Driver.
Frank B. Coggeshall,	Bunker.
A. J. Root,	Bunker.
James F. Lally,	Hoseman.
Timothy J. Tressy,	Hoseman.
Thomas J. Skelley,	Hoseman.
William H. Jacklyn,	Hoseman.
Henry A. Martin,	Hoseman.
Henry Johnson,	Hoseman.

ENGINE COMPANY No. 8.

William H. Daly,	Foreman.
Willis P. Barker,	Engineer.
Solomon F. Birmingham,	Stoker.
Anthony F. Bolan,	Engine Driver.
Michael J. Cosgrove,	Hose Driver.
John F. Dungan, 2d,	Bunker.
Hugh H. Foley,	Bunker.
Geo. Wm. Lowe,	Hoseman.
Louis M. Marvel,	Hoseman.
Richard J. Dalton,	Hoseman.
Michael J. White,	Hoseman.
Robert H. Lee,	Hoseman.
James E. Buckley,	Hoseman.

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CHEMICAL ENGINE COMPANY No. 9.

Oliver W. Dimock, Jr.,	Foreman and Pipeman.
Thomas J. Kelleher,	Driver.
Edward H. Fox, Jr.,	Assistant Driver.
Michael T. Keena,	Pipeman.

CHEMICAL ENGINE COMPANY No. 10.

Edward C. Woodworth,	Foreman and Pipeman.
John G. Barnard,	Driver.
Charles D. Wier,	Assistant Driver.
Thomas Lewis,	Pipeman.

CHEMICAL ENGINE COMPANY No. 11.

Daniel J. Dahill,	Foreman and Pipeman.
Louis E. Tucker,	Driver.
Thomas Keena,	Assistant Driver.
James H. Bolan,	Pipeman.

ENGINE COMPANY No. 12.

Warren A. Bingham,	Foreman.
Charles F. Grundt,	Engineer.
John E. Loughlan,	Engine Driver.
John E. Erickson,	Hose Driver.
Robert H. Ramsden,	Pipeman.
Dwight E. Sisson,	Bunker.
William A. Hines,	Bunker.
Keron J. Finn,	Bunker.
James E. Trerice,	Hoseman.
Patrick J. Murphy,	Hoseman.
Louis Soderberg,	Hoseman.

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HOOK AND LADDER COMPANIES No. 1 AND No. 2.

Michael T. Ward,	Foreman.
William J. Brandon,	Driver, No. 1.
James F. Simpson,	Asst. Driver, No. 1.
Samuel P. Fox,	Tillerman, No. 1.
Clarence A. Andrews,	Driver, No. 2.
Peter F. O'Brien,	Tillerman, No. 2.
James Lyons,	Ladderman.
Michael T. Devanney,	Ladderman.
James Toohey,	Ladderman.
John J. Moran,	Ladderman.
Nathan F. Levee,	Ladderman.
William M. Kane,	Ladderman.
Thomas A. Hurley,	Ladderman.
Henry W. Beaune,	Ladderman.
Benjamin D. Bailey,	Ladderman.

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REPORT

OF THE

Board of Health Commissioners

FOR THE

Year Ending February 28, 1906.

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BOARD OF HEALTH COMMISSIONERS.

Organized March 12, 1885.

HONORABLE WILLIAM F. HENNEY, MAYOR, *ex officio.*

EDWARD EBERLE, D. D. S.,	Term Expires	1906
GEORGE R. MILLER, M. D.,	" "	1906
EDWARD K. ROOT, M. D.,	" "	1907
THOMAS F. KANE, M. D.,	" "	1907
SAMUEL G. DUNHAM,	" "	1908
BERNHARD LYON,	" "	1908

OFFICERS.

THOMAS F. KANE, M. D., *President.*

GIDEON C. SEGUR, M. D., *Clerk.* CHARLES E. SPENCER, *Asst. Clerk.*

ARTHUR J. WOLFF, M. D., *Bacteriologist.*

JOHN M. COPLEY, *Milk Inspector.*

MEDICAL INSPECTORS.

CHARLES P. BOTSFORD, M. D., PHILIP P. CARLON, M. D.,

ALFRED M. ROWLEY, M. D.

ROBERT J. FARRELL, *Sanitary Inspector.* DENNIS J. MURPHY, *Asst. S. I.*

JOHN H. MALOY, *Plumbing Inspector.*

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To His Honor the Mayor and the Honorable Court of Common Council of the City of Hartford.

GENTLEMEN—We have the honor of presenting for your consideration the twenty-first annual report of the Board of Health.

Respectfully submitted,

EDWARD EBERLE, D. D. S.,
GEORGE R. MILLER, M. D.,
EDWARD K. ROOT, M. D.,
THOMAS F. KANE, M. D.,
SAMUEL G. DUNHAM,
BERNHARD LYON,

Board of Health Commissioners.

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INTERESTING CITY STATISTICS.

January 1, 1906.

Estimated population, 1906, 95,000.

Death rate per 1,000 for 1905, 14.79.

Assessed valuation, 1905, $91,124,656.

Net City debt, $4,526,388.

Tax, 18 mills; school tax, average 5 mills additional.

Area of City, 17.29 square miles, or 11,065.6 acres.

Number of streets, avenues and places, 485; total mileage of same, 126.4.

Sheet asphalted, 7.60 miles: block asphalted, 1.06; granite blocks, 0.55 miles; macadamized, 94.36 miles; unimproved, 19.99 miles.

Sewers, 106.78 miles.

Fire hydrants, 1,023; miles of water pipe, 136; water meters, 10,129.

Fire alarm boxes, 131.

Electric lights. 817 arc at $70; 52 twin series incandescent at $18.00 per annum.

Number of public parks and squares, 20; area of same, about 655 acres, about 19 of which is water. This does not include Keney Park, of some 680 acres, which is as yet under the care of private trustees, but which will eventually come to the city. Forty-seventh in population, fifteenth in park area of cities of United States.

Number of miles of electric railway within the city limits. 47. Single track, 31.3; double track, 13.2; turnouts, 0.87.

Number of miles of conduits for underground wires, Hartford Electric Light Co., 10.15; S. N. E. Tel. Co., 26.25.

Regular Police force 98, supernumeraries 98; telegraph stations, 34.

Water Department is self-sustaining, receiving from water rates, $30,000 to $40,000 each year above interest on bonds and all expenses. The water shed, which comprises about 10 1-2 square miles, (3,000 acres, owned by the city), has a gravity system of 6 reservoirs with a capacity of over 2,000,000,000 gallons. The daily consumption before the introduction of meters was some 9,000,000 but now 6,000,000 gallons.

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PRESIDENT'S REPORT.

HARTFORD, CONN., MARCH, 1906.

To His Honor the Mayor and the Honorable Court of Common Council.

GENTLEMEN:—The Twenty-first Annual Report of the Board of Health of the City of Hartford is respectfully submitted.

The general sanitary condition of the City remains about the same as for the past few years. There is much to be done in the way of improved and cleaner streets. We believe the only way to clean our paved streets is by systematic flushing, and not by scraper or sweeper. As the new bridge nears completion, we think the time has arrived when we should urge the building of the East side intercepting sewer and also when we should recommend that the East side business streets be paved with a modern pavement. In the condition in which they are to-day, it is absolutely impossible to keep them clean or sanitary.

We also believe that all alleys in the center of the city should be paved, as they are at present a source of annoyance from one end of the year to the other. They are simply a dumping ground for all kinds of nuisance and it causes much trouble to even attempt to keep them clean in their present condition. Concerning these alleys we have complaints from the tenants who cause the nuisance and also complaints from the owners because they must go to the expense of cleaning them.

MOSQUITOES.

We have treated these pests in the same manner in the past year as for some few years back, by petroleum spraying. This is far from satisfactory. The breeding places should be filled in.

PARK RIVER.

This river remains in the same filthy condition as for a number of years past. If the loose stone and debris were removed we think there would be at least some improvement.

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MILK.

During the past year, the official supervision of the milk supply of this City has been added to the work of this department. For this purpose we have elected a milk inspector who shall look after the general delivery of the milk and also have supervision over the dairies and herds from which this milk is supplied. We have also elected a milk bacteriologist for chemical and bacteriological examination of the milk. What they have accomplished for the past two months, since the beginning of the work, their individual reports will show.

CONTAGIOUS DISEASES.

For the year ending February 28, 1906, there have been reported 1,212 cases of contagious disease. Of this number we find 411 cases of diphtheria, 334 of measles, 198 of typhoid, 91 of scarlet fever, 73 of tuberculosis, 21 of cerebro-spinal meningitis and 20 of whooping cough. There have been 270 deaths from cases of contagious disease.

TUBERCULOSIS.

By rule of this Board all cases of tuberculosis should be reported. Yet, during the past year, we have had but 73 cases reported while we have had death certificates for 173 cases. Here something must be radically wrong. If there were 173 deaths, there certainly must have been more than 73 cases in this city. The hearty cooperation of the physicians is certainly required in the handling of this disease. In the near future this Board will probably be asked to work in conjunction with the Society for the Prevention of Tuberculosis. By cooperation much good may be accomplished in the prevention and in the handling of this much dreaded disease.

TYPHOID FEVER.

One hundred ninety-eight cases reported with seventeen deaths. We should remember that typhoid is a preventable disease. During the late summer and early fall we had an exceptional number of typhoid cases traced directly to two sources—one a contaminated water supply which was used for

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the washing of milk cans and delivery bottles; the other an impure ice used for cooling purposes. When the source of contamination was removed, the trouble abated. We hope that our milk inspector will accomplish much good in educating those who have control of the milk supply to the fact that they must use extra precaution in caring for the milk after it leaves the cow. If he succeeds in compelling them to keep all utensils and their persons absolutely clean, there can be no danger of an epidemic of typhoid arising from the milk.

FINANCES.

For the financial statement of the Board we would respectfully refer you to the Clerk's tables.

What has been accomplished by the different inspectors employed by this Board will be shown by their individual reports, which follow.

Respectfully submitted,

THOMAS F. KANE,

President of the Board of Health.

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CLERK'S REPORT.

HARTFORD, CONN., MARCH, 1906.

To the Honorable Board of Health Commissioners, Hartford, Conn.

GENTLEMEN:—During the year ending February 28, 1906, the twelve regular monthly meetings of the Board were held and three special meetings.

The first special meeting, March 22, 1905, was held for the purpose of approving necessary bills.

The special meetings, November 29 and December 16, were necessitated in arranging for the Inspection of Milk which, by City Ordinance approved October 10, was placed in the control of this department.

Special matters receiving attention:

Free Diphtheria antitoxin to be administered only by a Medical Inspector, upon consent of the President, in presence of attending physician.

Ambulance of the department at the Hartford Hospital for use in contagious cases in commission June 8.

Ice: Harvesting and sale of from Flatbush Avenue prohibited, also sale prohibited of ice from the Connecticut River, Trout Brook, North Meadow and Blue Hills ponds.

Widal Test outfits provided by laboratory.

Assistant Clerk D. M. E. Dewey resigned September 6 and Charles E. Spencer appointed.

Typhoid cases traced to contaminated water and ice.

Fourteen applicants for position of Milk Inspector before the Board. Mr. J. M. Copley appointed to begin duties January 1, 1906, at $1500 per annum.

Dr. A. J. Wolff appointed Milk Bacteriologist at $500.00 per annum.

VITAL STATISTICS.

The appended tables give in detail a record of the births, marriages, deaths, etc.

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The Monthly Report has been regularly issued, about 550 copies being distributed; our exchange list numbering forty-three.

The routine work of the office shows:

Burial permits issued,	1108
Licenses, transcripts and removal permits,	1688
Notification cards,	2407
Certificates of age,	136
Correspondence, communications received and sent,	942
Attested copies (6 months),	290
Certificates of births, deaths, marriages, etc., copied,	8896
Removal permits to city cemeteries copied,	1543

The out-of-town deaths are now recorded back to 1900 with the twelve previous years still to be recorded. An average of about 250 per year.

An echo of the Yellow Fever in the South is heard in announcing the issuing of sixteen certificates of good health to parties traveling to that section.

COMPARISON OF VITAL STATISTICS.

	Living Births.	Per M.	Marriage.	Per M.	Deaths.	Per M.	Still Births.	Illegitimate.
1902	1860	22.41	801	9.65	1167	14.06	68	36
1903	1846	21.46	829	964	1223	14.22	102	37
1904	1982	22.27	786	8.83	1346	15.12	95	30
1905	1983	21.55	859	9.34	1361	14.79	83	43

The gain of Births over Deaths for the year has been 622.

Nine hundred and twenty-one Marriage Licenses were issued, eight hundred and fifty-nine marriages were consummated, consequently sixty-two changed their minds.

Our estimate of increase in population is about 3 1-2 per cent. per year.

The causes of death showing an increase over 1904:

Typhoid, over 50 per cent.; diphtheria, 15 per cent.; tuberculosis, 23 1-2 per cent. to 173, the highest yet attained; cancer, 12 per cent. reaching its high record of 82; rheumatism, 100 per cent.; alcoholism, 22 per cent.; apoplexy, 41 per cent.

The following show a decrease from 1904:

Cerebro-spinal meningitis, 80 per cent.; la grippe, 62 per cent.; diarrheal diseases, 13 per cent.; kidney diseases, 17 per cent.

Of the 318 deaths in the 4th ward, 238 occurred in public

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institutions, 99 occurring in the Alms House and 139 at St. Francis Hospital.

Of the 374 deaths in the 7th ward, 244 occurred at the Hartford Hospital. Over 33 per cent. of the deaths were in public institutions and 26 per cent. were under 5 years of age.

CONTAGIOUS DISEASES.

A marked increase in the number of cases of diphtheria (235 to 411) and typhoid fever (73 to 198) are recorded.

A gratifying decrease in cerebro-spinal meningitis, 115 to 21; the mortality rate 71 per cent. remaining the same.

One case of small pox.

Two hundred and five vaccinations were performed by the Medical Inspectors during 1905.

MILK INSPECTION.

Following the approval of the Ordinances October 10, 1905. the formulation of the requisite rules and regulations and the preparation of the various blanks for applications, permits, licenses and the recording of inspections, etc., were prepared. Two conferences of the Board, besides the Special meetings, were held to pass upon them and they were in readiness when the Milk Inspector began his labors, January 1.

A large majority of the leading milk dealers of the City are working heartily in co-operation with this department in efforts to secure and maintain a pure milk supply for the city. This is appreciated, yet there remains a considerable minority who cannot see beyond the immediate financial cost to themselves, of the necessary changes in their methods losing sight of the fact that to obtain and retain a profitable business they must furnish a satisfactory article.

Every encouragement should be given to honest effort to conform to the essential requirements, while persistent pressure is brought to bear upon those who evince a disposition to evade or trangress them.

FINANCIAL STATEMENT.

The difficulties of making a clear and accurate statement

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of expenditures under the present arrangement can only be appreciated by one who has ever tried to anticipate and arrange his expenditures for a month ahead.

An account is kept with each physician, who is credited twenty-five cents for each certificate of birth and death returned to the Registrar. The return fees for the year 1905 were ready for payment to the physicians, January 16, 1906.

Report A gives an itemized account of all receipts in fees, etc., which exceed by $93.65 those of last year.

These receipts are turned into the City Treasurer each month, and although not credited to the department, diminish by so much the actual cost of the department to the city.

Report B shows appropriations, transfers and expenditures for the department during the fiscal year.

GIDEON C. SEGUR, M. D.,

Clerk.

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REPORT A.—RECEIPTS FOR YEAR ENDING FEBRUARY 28, 1906.

1905.	Marriage Licenses		Chicken Licenses		Transcripts		Removals		Examination of Cultures		Misc.	Total.
	No.	Amt.	No.	Amt.	No.	Amt.	No.	Amt.	No.	Amt.		
March, ...	39	$39.00	5	$2.50	30	$15.00	37	$9.25	2	$4.00	....	$69.75
April, . . .	55	55.00	4	2.00	19	9.50	42	10.50	.	....	2.00	79.00
May, ...	70	70.00	1	.50	31	15.50	45	11.25	6	12.25	....	109.50
June, ...	137	137.00	1	.50	20	10.00	26	6.50	2	4.00	....	158.00
July, ...	65	65.00	2	1.00	36	18.00	46	11.50	3	6.00	.50	102.00
August, . . .	79	79.00	..	....	31	15.50	37	9.25	1	2.00	....	105.75
September, . .	72	72.00	..	....	28	14.00	25	6.25	4	8.00	....	100.25
October, . . .	106	106.00	..	....	24	12.00	31	7.75	..	....	.45	126.20
November, . . .	92	92.00	..	....	40	20.00	41	10.25	..	....	....	122.25
December, . . .	63	63.00	..	....	17	8.50	33	8.25	..	....	....	79.75
1906.												
January, . . .	74	74.00	1	.50	29	14.50	27	6.75	1	2.00	....	97.75
February, . . .	69	69.00	1	.50	29	14.50	28	7.00	..	....	2.00	93.00
Total, . . .	921	$921.00	15	$7.50	334	$167.00	418	$104.50	19	$38.25	$4.95	$1,243.20

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REPORT B.

SUMMARY OF EXPENDITURES OF THE BOARD OF HEALTH COMMISSIONERS FOR THE YEAR ENDING MARCH 31, 1906.

	Salaries.	Return Fees.	Rent.	Printing, Postage and Stationery.	Laboratory.	Incidentals.	Disinfectant.	Vaccinations.	Burial of Dead Animals.	Telephones.	Mosquito Prophylaxis.	Milk Salaries.		Total.
												Inspector.	Bacteriologist.	
Original appropriation,	$9,500.00	$1,025.00	$1,200.00	$510.00	$500.00	$700.00	$200.00	$200.00	$50.00	$130.00	$200.00			$14,215.00
Additional "				233.33								600.00	166.67	1,000.00
Additional by transfer,				40.00	123.86	466.67								630.53
Reduction by transfer,				150.00			80.00	20.00	45.00		68.86	225.00	41.67	630.53
Total credit to account,	$9,500.00	$1,025.00	$1,200.00	$633.33	$623.86	$1,166.67	$120.00	$180.00	$5.00	$130.00	$131.14	$375.00	$125.00	$15,215.00
Expenditures.	9,500.00	1,025.00	1,200.00	629.29	620.51	913.22	111.35	178.98	5.00	129.65	131.14	375.00	125.00	14,944.14
Balance,				$4.04	$3.35	$253.45	$8.65	$1.02		$ .35				$270.86

Expenditures of Department from April 1, 1905, to March 31, 1906,	$14,914.14
Receipts for year ending February 28, 1906,	1,243.20
Net cost of Department for current year,	$13,700.94

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TABLES OF VITAL STATISTICS.

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TABLE I. — DEATHS CLASSIFIED BY CAUSES, AGE, COLOR, SEX, WARDS AND PUBLIC INSTITUTIONS.

CAUSES OF DEATH. Intermediate Classification.	Total Deaths	AGES.												COLOR.				WARDS.										Public Institutions
		Under 1 Year.	1 to 5	5 to 10	10 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 & over	White		Bl'k		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	
														Male	Female	Male	Female											
I.—General Diseases—	459																											
A.—Epidemic Diseases.																												
1 Typhoid Fever,	17	...	1	..	3	8	1	3	...	...	1	...	...	12	5	...	...	1	...	...	2	...	...	9	...	2	3	10
2 Malarial Fever,	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...
4 Measles,	4	2	2	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...	1	...	...	...	...	...	1	...	2	...
5 Scarlet Fever,	2	...	...	1	...	1	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2	...	...	...	2
6 Whooping Cough,	3	2	1	...	...	...	...	...	...	...	...	...	...	1	2	...	...	1	...	...	...	...	2	...	...	...	...	...
7 Diphtheria,	56	9	22	20	4	1	...	...	...	...	...	...	...	37	17	1	1	5	3	2	4	...	6	25	4	1	6	18
8 Croup,	8	1	5	2	...	...	...	...	...	...	...	...	...	3	5	...	...	1	...	...	...	...	...	2	3	1	1	...
9 Influenza,	9	1	...	...	...	...	...	...	3	1	2	2	...	4	5	...	...	...	2	2	...	...	...	...	1	1	3	...
10 Cholera Nostras,	5	1	...	...	...	...	1	...	1	1	1	...	...	1	4	...	...	...	1	2	...	1	1	...	...	...	...	1
12 Erysipelas,	8	3	1	...	...	...	1	...	2	...	1	...	...	6	2	...	...	1	...	...	1	...	...	5	...	1	...	4
13 Cerebro-Spinal Meningitis,	15	1	7	2	2	3	...	...	...	...	...	...	...	8	7	...	...	3	3	...	1	...	...	8	...	...	...	7
B.—Other general diseases.																												
14 Septicemia,	13	1	1	..	2	3	4	...	...	1	1	...	...	4	7	1	1	...	...	1	2	...	...	7	...	1	2	9
15 Tuberculosis of Lungs,	152	1	1	2	12	39	50	24	15	5	3	...	...	101	44	4	3	12	7	9	36	4	11	40	15	12	6	60
17 Tuberculous Meningitis,	9	2	5	..	2	...	...	...	...	...	...	...	...	3	6	...	...	1	...	3	1	...	1	1	...	2	...	2
18 Abdominal Tuberculosis,	4	...	...	...	...	2	1	...	1	...	...	...	...	1	3	...	...	...	...	...	1	...	...	2	1	...	...	3
22 Tuberculosis of other Organs,	2	...	...	...	...	...	1	...	1	...	...	...	...	1	1	...	...	...	...	...	...	...	...	2	...	...	...	2
23 General Tuberculosis,	6	...	...	...	2	1	1	1	1	...	...	...	...	2	4	...	...	...	...	...	...	...	2	3	...	...	1	2
25 Venereal Diseases,	4	2	...	...	...	...	...	...	1	...	1	...	...	1	3	...	...	...	1	...	1	...	...	2	...	...	...	3
26 Cancer of Mouth,	2	...	...	...	...	...	...	1	...	...	1	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	1	1
27 Cancer of Stomach and Liver,	25	...	...	...	...	1	...	7	9	5	3	...	...	13	12	...	...	2	1	2	9	3	...	5	1	1	1	12
28 Cancer of Intestines,	9	...	...	...	...	2	...	4	3	...	...	...	...	3	6	...	...	...	...	...	6	...	...	1	...	1	1	7
29 Cancer of Genital Organs,	15	...	...	...	...	1	2	4	4	1	3	...	...	1	14	...	...	...	...	...	2	1	2	7	2	...	1	7

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TABLE I.—*Cont.*—DEATHS CLASSIFIED BY CAUSES, AGE, COLOR, SEX, WARDS AND PUBLIC INSTITUTIONS

CAUSES OF DEATH.	Total Deaths.	AGES.													COLOR				WARDS										Public Institutions
		Under 1 Year.	1 to 5	5 to 10	10 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90&over		White		Bl'k		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	
															Male	Female	Male	Female											
30 Cancer of Breast,	15							4	3	3	3	2				15				2	1	2			3	1	1	5	2
31 Cancer of Skin,	6					1	1	1		1	2				3	3			1	1		1			2			1	1
32 Cancer of other or Unspec. Organs,	10				1		1	3	1	2	1	1			6	4			1	1		5	1		1	1			5
33 Tumors,	1								1						1										1				1
34 Rheumatism,	12	1		2	2	2	1	1	1		2				6	6				2	1		2	2	2			3	
35 Diabetes,	16		1		1		1	2	2	6	1	2			8	8				1	1	2		2	5	2		3	3
36 Anemia, Leukemia,	8					1		2	5						4	4						4			3	1			3
37 Alcoholism,	22			1		2	7	8	4						19	3				2	3	6	2		8	1			14
II.—Diseases of Nervous System— **144**																													
40 Encephalitis,	1							1								1												1	
41 Meningitis,	25	4	7	3	3	2	2	3	1						15	10			6		3	5		3	6	2			11
42 Locomotor Ataxia,	1									1					1										1				1
43 Other Diseases of Spinal Cord,	3						1			1	1				2	1					1	1						1	1
44 Apoplexy,	82	1	1			1	3	9	12	27	20	7	1		40	38	3	1	4	4	7	18	5	3	27	4	5	5	30
45 Softening of Brain,	1											1				1						1							1
46 Paralysis,	5	1						1		1	2				2	3				1		1			1		1	1	1
47 General Paralysis of Insane,	2						1	1							1	1									2				2
48 Other Forms of Mental Disease,	2							1	1						1	1									2				1
49 Other Diseases of Brain,	2			1	1										1	1									2				2
50 Epilepsy,	3	1			1			1							2	1						2			1				3
51 Convulsions,	8	5	3												2	6			5			1				1		1	
52 Tetanus,	3					2			1						1	1	1				1	1			1				2
53 Other Diseases of Nervous Syst.	6	1				1	2	1		1					3	2	1		1		1	1			1	2			1
III.—Diseases of Circulatory System— **149**																													
55 Endocarditis,	21			2		2	3	1	4	8		1			9	11		1	1		1	2	1	3	9		1	3	9
56 Heart Disease,	96	1	1	3	4	4	9	9	15	20	18	11	1		50	43	1	2	5	10	5	18	6	10	19	14	3	6	19

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TABLE I.—*Cont.*—DEATHS CLASSIFIED BY CAUSES, AGE, COLOR, SEX, WARDS AND PUBLIC INSTITUTIONS

CAUSES OF DEATH.	Total Deaths.	AGES.											COLOR.				WARDS.										Public Institutions
		Under 1 Year.	1 to 5	5 to 10	10 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90&over	White Male	White Female	Bl'k Male	Bl'k Female	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	
VI.—Dise's of Genito-Urinary Syst.— **102**																											
97 Acute Nephritis,	9			2	1	2		1	2	1				6	3	*				1	4		1	2		1		6
98 Bright's Disease,	73			1		7	7	8	13	18	16	3		37	32	3	1	3	8	4	25	3	6	9	5	5	5	27
99 Other Diseases of Kidneys,	2	1								1				2							1				1			1
100 Calculi of Urinary Tract,	2						1		1					1	1							1		1				1
101 Diseases of Bladder,	6						1		1	1	3			5	1						3				1	1	1	3
102 Uterine Tumor,	2						1	1							2						1				1			1
104 Ovarian Tumor,	3					1		1	1						3						2		1					3
105 Diseases of the Tubes,	2						2								1		1				1		1					2
106 Other Dis. of Genito-Urinary Syst.	3						1			1	1			3						1	2							2
VII.—Childbirth— **16**																											
107 Puerperal Septicemia,	3					1	2								3								1	1		1	1
108 Puerperal Convulsions,	3					1	2								3				1	1				1				
109 Other Causes Incident to Childbirth.	10					3	5	2							10			1		1	2	1		3			2	4
VIII.—Diseases of Skin— **1**																											
112 Abscess,	1					1									1									1				
IX.—Diseases of Locomotor System— **4**																											
114 Diseases of the Bones,	4	2	2											3		1					3			1				3
X.—Malformation— **24**																											
115 Hydrocephalus,	1	1													1			1										

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118 Congenital Malformation of Heart,	16	16														10	5		1	2	1	2	3			5		2	1	3			
119 Other Congenital Malformations,	7	6			1											4	3				1		1		1	1	2		1	2			
XI.—Early Infancy— **93**																																	
120 Premature Birth,	40	40														20	19		1	4	3	5	4	1	3	2	10		8	1				
121 Congenital Debility,	53	53														22	29		2	6	4	8	6	1	4	8	7	6	3	7			
XII.—Old Age— **54**																																	
122 Old Age,	54											4	22	23	5	26	28			3	2	7	8	3	5	11	7	6	2	9			
XIII.—Violence— **105**																																	
123 Suicides,	12					3	4	1	3	1						8	4			1	3		2	2	1	2	1			3			
124 Fractures and Dislocations,	12					1	2	2	1	4		2				10	2			1	1		1			8		1		8			
125 Burns and Scalds,	13		4		1	3	2	2		1						7	6			1			3			9				11			
126 Heat and Sunstroke,	1							1								1						1											
129 Drowning,	11		1	1	5	2	1	1								10	1			9		1							1				
130 Inhalation of Poisonous Gases,	10					3	3	1	1	2						8	1		1	2	1			4	1	1	1						
131 Other Accidental Poisonings,	2	1						1								2					1		1							1			
132 Accidental Gunshot Wounds,	3			2	1											3							1			2				3			
133 Injuries by Machinery,	2				1	1										2						1				1				1			
134 Railroad Accidents and Injuries,	21			1	4	5	2	5	2	1	1					20	1			1	3	4	7			3		1	2	8			
135 Injuries by Vehicles and Horses,	3		1					1	1							2	1							1		1			1	1			
136 Other Accidental Injuries,	6			1			1	3		1						4	2						2	2	1	1				3			
137 Suffocation,	3	1							1		1					3				3													
138 Injuries at Birth,	6	6														5	1				1	1			1	1		1	1				
XIV.—Ill-Defined Diseases— **12**																																	
141 Dropsy,	1														1		1									1							
143 Other Ill-Defined Causes,	6	5							1							3	2		1	1			3			1			1	2			
144 Unknown Causes,	5	5														2	1	2		1				1			1		2				
Total,	1526	288	106	54	65	135	162	160	162	156	148	79	11	821	659	18	25	130	118	103	318	59	96	374	142	74	112	505					

165 non-residents included in above table. 3 Chinese males. 83 still-births not included.

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TABLE II.—DEATHS BY MONTHS AND WARDS.

MONTH.	WARDS.										
	1	2	3	4	5	6	7	8	9	10	Total
January,	12	19	7	27	5	8	46	13	9	16	162
February,	8	8	7	32	3	5	27	14	9	13	126
March,	13	11	9	23	7	7	32	11	4	14	131
April,	11	10	12	28		8	31	19	8	12	139
May,	10	7	8	30	4	12	28	10	6	6	121
June,	19	8	14	35	8	12	22	8	2	12	140
July,	8	11	7	26	7	12	36	22	9	9	147
August,	10	6	10	24	6	9	30	8	5	6	114
September	7	11	8	29	4	5	21	11	5	7	108
October,	12	8	7	22	5	6	34	3	7	5	109
November,	7	11	5	27	5	8	39	14	5	4	125
December,	13	8	9	15	5	4	28	9	5	8	104
Totals,	130	118	103	318	59	96	374	142	74	112	1526

DEATHS BY CIVIL CONDITIONS.

Single,	756
Married,	482
Widowed,	265
Divorced	12
Unknown,	11
Total,	1526

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NATIVITY OF DECEASED.

Non-residents,	165	Canada,	21
Residents,	1,361	Germany,	43
		Italy,	18
Total,	1,526	France,	2
		Sweden,	22
Connecticut,	820	Russia,	39
Other States,	231	All Others,	34
England,	43	Unknown,	19
Ireland,	227		
Scotland,	7	Total,	1,526

NATIVITY OF PARENTS OF DECEASED.

United States,	424	Russia,	68
England,	49	All Others,	75
Ireland,	362	Mixed,	37
Scotland,	11	Unknown,	201
Canada,	30	Mother Foreign,	53
Germany,	59	Father Foreign,	58
Italy,	66	France,	2
Sweden,	31		
		Total,	1,526

OCCUPATIONS OF DECEASED.

Agents,	7
Artists and Architects,	0
Bakers,	2
Bankers, Brokers and Officials,	1
Barbers,	1
Blacksmiths and Wheelwrights,	9
Bookkeepers,	5
Butchers,	5
Carpenters and Builders,	20
Cigar Makers and Tobacco Workers,	5
Clergymen,	3
Clerks,	19
Conductors, Motormen (Electric),	2
Dentists,	1
Domestics and Servants,	30
Dressmakers,	5
Drivers, Liverymen, etc.,	42
Druggists,	2
Electricians,	8
Engineers and Firemen, (not locomotive),	1
Factory and Mill Hands,	25
Farmers,	26
Gardeners,	9
Harness Makers and Leather Workers,	0
Hotel and Boarding House Keepers,	2

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Housekeepers,	374
Insurance,	4
Janitors,	1
Journalists, Reporters, etc.,	1
Laborers,	113
Lawyers,	2
Liquor Dealers and Bartenders,	5
Machinists,	34
Manufacturers,	3
Masons and Stone Workers,	13
Mechanics,	9
Merchants,	14
Moulders and Foundry Workers,	9
Musicians,	1
Nurses,	8
Painters and Decorators,	17
Pattern Makers and Wood Turners,	1
Peddlers,	8
Photographers,	1
Physicians,	3
Plumbers,	4
Policemen and Firemen (City),	0
Printers and Bookbinders,	2
R. R. Employees,	18
Retired,	19
Salesmen and Women,	11
Stenographers and Typewriters,	0
Shoemakers,	6
Students,	44
Tailors,	10
Teachers,	3
Tinsmiths,	2
Veterinary Surgeons,	1
Upholsterers,	0
Unclassified,	104
None,	451
Total,	1,526

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MARRIAGES IN 1905 BY MONTHS.

January,	64
February,	54
March,	43
April,	49
May,	63
June,	140
July,	65
August,	72
September,	67
October,	104
November,	84
December,	54
Total,	859

TABLE III.—NATIVITY OF BIRTHS.

Both parents of Connecticut birth,	320
" " " Other States "	381
" " " English "	13
" " " Irish "	226
" " " Scotch "	8
" " " Canadian "	14
" " " German "	44
" " " Italian "	267
" " " French "	2
" " " Swedish "	79
" " " Russian "	180
Other foreign countries,	94
Mother American, father foreign,	128
Father American, mother foreign,	211
Both parents of different foreign nationalities,	82
Parentage unknown,	17
Total,	2,066

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Births for 1905, 2,066. TABLE IV.—BIRTHS. Rate per 1000, 22.47.

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
White Males,	76	65	90	81	81	90	82	82	93	84	84	87	995
White Females,	87	97	90	76	91	75	92	101	70	75	88	69	1011
Total White Births,	163	162	180	157	172	165	174	183	163	159	172	156	2006
Colored Males,	3	2	...	3	3	4	...	3	...	...	1	2	21
Colored Females,	3	4	4	6	3	4	4	...	1	2	4	2	37
Total Colored Births,	6	6	4	9	6	8	4	3	1	2	5	4	58
Mixed Males,	...	...	...	...	...	1	...	...	...	...	...	...	1
Mixed Females,	...	...	...	...	...	...	...	1	...	...	...	...	1
Total Mixed Births,	...	...	...	...	...	1	...	1	...	...	...	...	2
Grand Total Births,	169	168	184	166	178	174	178	187	164	161	177	160	2066

		Jan.		Feb.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Totals	
		Colored	White	Colored	White	Colored	White	Colored	White	Colored	White	Colored	White	Colored	White	Colored	White	Colored	White	Colored	White	Colored	White	Colored	White	Colored	White
Still Births,	Male,	...	5	...	4	...	...	...	4	...	6	...	4	...	2	...	4	...	3	...	3	...	11	...	7	...	53
	Female,	1	4	...	4	...	3	...	1	...	2	1	1	...	2	...	4	...	2	...	1	1	2	...	1	3	27
No. of Twins,	Male,	...	2	...	...	...	...	...	1	...	2	...	2	...	...	...	3	...	...	...	...	...	...	...	...	...	10
	Female,	...	4	...	...	...	2	...	1	...	...	2	...	...	1	...	1	...	...	...	2	...	...	...	2	2	13
No. of Illegitimate,	Male,	1	2	...	1	...	1	1	4	1	2	2	3	...	2	...	...	...	1	...	1	...	1	...	1	5	19
	Female,	1	...	...	...	...	...	2	1	...	2	3	1	...	2	...	3	...	...	...	1	...	1	1	1	7	12

Total stillborn, 83. Twins, 25. Illegitimate, 43. Rate per 1000, living births 21.55.

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TABLE V.

COMPARISON OF MORTALITY STATISTICS BY POPULATION AND PERCENTAGES.

YEARS.	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892
Estimated Population,	92,000	89,000	86,000	83,000	80,000	79,950	76,000	74,000	72,000	72,000	60,000	58,000	57,500	56,000
Total Deaths,	1,526	1,499	1,395	1,301	....	....	....	....	....	....	....	1,027	1,318	....
Non-Residents,	165	153	172	134	....	....	....	....	....	....	....	76	84	....
Residents,	1,361	1,346	1,223	1,167	1,198	1,312	1,430	1,307	1,155	1,257	1,033	951	1,234	1,189
Number of deaths per 1000,	14.79	15.12	14.22	14.06	14.97	16.04	18.80	17.66	16.04	17.45	17.21	16.39	21.45	21.23
Deaths from General Diseases,	459	428	392	289	158	247	277	266	164	300	196	174	252	345
Per cent to total mortality,	30.08	28.55	32.05	24.76	11.98	18.82	18.12	20.04	14.37	23.86	18.97	18.28	20.42	29.01
Deaths from Diseases of Nerv. Syst.,	144	131	150	171	219	231	212	210	221	177	160	143	214	187
Per cent. to total mortality,	9.44	8.74	12.26	14.64	18.28	17.60	14.80	16.06	10.13	14.08	15.48	15.35	17.34	15.72
Deaths from Diseases of Circulatory System,	149	146	157	145	604	588	660	611	591	591	513	459	614	503
Per cent. to total mortality,	9.76	9.74	12.83	12.50	50.38	44.81	40.62	46.74	51.17	47.01	49.66	48.25	49.75	32.30
Deaths from Diseases of Respiratory System,	188	185	177	196	154	174	199	167	126	128	113	133	109	100
Per cent. to total mortality,	12.32	12.34	14.48	16.79	12.85	12.50	13.90	12.77	10.92	10.18	10.93	13.93	8.83	8.41
Deaths from Violence,	105	106	83	66	56	69	82	52	53	45	51	42	44	54
Per cent. to total mortality,	6.88	7.07	6.79	5.66	4.68	5.25	5.08	3.21	4.58	3.58	4.93	4.39	3.56	4.54
All others,	481	503	264	300	7	3	....	3	....	10	....	....	1	....

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TABLE VI. — AGE OF DECEDENTS.

YEAR.	AGE.							
	Under 1 Year	1 to 5	5 to 10	10 to 20	20 to 40	40 to 60	60 to 80	Over 80
1887,	203	90	40	39	196	208	180	41
1888,	202	87	49	51	210	214	198	69
1889,	203	132	56	49	189	191	196	51
1890,	195	90	48	35	232	243	219	75
1891,	233	130	54	66	238	253	213	60
1892,	213	151	59	44	239	196	232	55
1893,	246	102	47	39	256	250	235	59
1894,	193	78	18	35	174	209	193	51
1895,	243	18	19	42	183	187	211	67
1896,	317	161	39	34	221	192	226	67
1897,	259	71	31	40	226	213	245	70
1898,	313	110	38	41	248	219	258	80
1899,	343	105	47	56	274	249	290	66
1900,	303	102	38	48	246	245	254	76
1901,	232	93	41	68	220	240	239	65
1902,	213	116	45	56	233	269	291	78
1903,	243	116	39	60	268	296	300	73
1904,	283	106	42	66	300	297	316	89
1905,	288	105	55	65	298	322	303	90

MORTALITY COMPARISON OF CHILDREN UNDER FIVE YEARS.

	YEAR.																
	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889
No. of deaths under 5,	393	389	359	327	325	405	448	423	330	478	324	271	348	364	363	285	335
Per ct. of tot'l mortality,	26	26	29	28	27	31	31	32	29	38	31	28	28	30	34	25	31

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TABLE VII.—COMPARISON OF MORTALITY STATISTICS BY DISEASES.

	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891
Typhoid Fever,	17	11	16	13	25	25	30	27	19	27	35	28	30	46	42
Malarial Fever,	1	0	2	4	6	4	10	2	3	5	3	3	6	3	5
Measles,	4	2	13	7	3	1	12	5	1	71	...	...	2	1	33
Scarlet Fever,	2	3	13	25	13	2	1	3	3	14	1	3	22	31	10
Whooping Cough,	3	7	17	7	1	9	18	8	18	13	5	5	12	18	...
Diphtheria,	56	26	30	16	32	47	53	12	12	32	18	19	27	92	92
Croup,	8	2	1	...	3	4	10	8	6	8	14	12	17	9	11
La Grippe,	9	24	9	3	12	42	39	38	...	...	...	...	...	...	...
Tuberculosis,	173	140	139	115	125	146	144	121	147	112	101	104	148	123	144
Cancer,	82	73	70	38	67	50	45	41	42	30	40	24	28	31	29
Other General Diseases,	104	...	25	31	27	31	29	48	25	10	...	5	11	8	9
Diseases of Nervous System,	144	131	150	171	148	152	175	168	161	134	150	127	169	106	117
Diseases of the Circulation,	149	118	157	92	101	81	100	103	85	98	74	82	68	80	80
Bronchitis,	20	50	19	31	30	29	26	23	35	30	30	21	47	42	39
Pneumonia,	148	120	142	138	123	155	158	153	134	136	104	70	163	115	141
Diarrheal Diseases,	82	95	49	41	54	108	111	132	91	118	94	77	86	83	103
Diseases of the Digestion,	175	185	147	140	59	52	62	62	21	34	24	46	42	51	54
Diseases of the Kidneys,	84	101	94	131	84	76	88	82	66	65	56	72	59	63	54
Infantile Debility,	93	90	86	74	92	99	106	107	78	71	72	72	51	56	65
Old Age,	54	56	48	53	53	55	82	58	38	46	31	48	43	34	25

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TABLE VIII. — CONTAGIOUS DISEASES BY MONTHS.

DISEASES.	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Typhoid Fever,	7	3	..	2	2	5	13	26	64	38	25	13	198
Measles,	116	51	61	34	44	11	10	3	1	1	1	1	334
Scarlet Fever,	12	10	9	3	15	4	1	7	6	9	9	6	91
Whooping Cough,	..	..	..	..	3	..	..	..	..	1	10	6	20
Diphtheria,	86	54	47	28	31	29	17	17	15	32	25	30	411
Erysipelas,	2	7	6	1	4	..	1	..	1	2	2	5	31
Tuberculosis,	7	4	8	9	7	6	1	5	4	4	11	7	73
Chicken Pox,	10	..	3	..	6	1	1	..	..	2	3	4	30
Meningitis,	1	..	10	3	2	..	..	..	2	..	..	3	21
Opthalmia Neonatorum	..	..	..	..	..	..	..	..	..	1	..	1	2
Small Pox	..	..	..	..	..	..	..	..	..	..	..	1	1
Total,	241	129	144	80	114	56	44	58	93	90	86	77	1212

TABLE IX. — CONTAGIOUS DISEASES BY WARDS.

DISEASES.	WARDS.										Public Institutions	Totals
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
Typhoid Fever,	13	7	7	11	9	12	42	13	20	16	48	198
Measles,	36	15	12	23	8	28	16	57	73	65	1	334
Scarlet Fever,	3	11	5	17	1	5	13	7	9	18	2	91
Whooping Cough,	5	..	6	..	..	3	3	3	..	..	..	20
Diphtheria,	44	49	33	25	38	53	61	34	30	44	..	411
Erysipelas,	2	4	1	3	2	5	4	5	2	3	..	31
Tuberculosis,	12	12	10	7	8	4	4	6	5	4	1	73
Chicken Pox,	3	2	2	1	1	1	5	6	3	6	..	30
Cerebro-Spinal Meningitis,	6	8	..	1	1	..	2	..	2	..	1	21
Opthalmia Neonatorum,	1	..	..	..	1	..	..	..	..	..	..	2
Small Pox,	1	..	..	..	..	..	..	..	..	..	..	1
Total,	126	108	76	88	69	111	150	131	144	156	53	1212

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TABLE X.—COMPARISON OF CASES REPORTED AND DEATHS.

Year Ending	Diphtheria		Scarlet Fever		Typhoid Fever	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Feb. 28, 1896,	141	32	124	1	160	35
Feb. 28, 1897,	147	40	174	14	175	27
Feb. 28, 1898,	131	18	157	3	102	19
Feb. 28, 1899,	73	20	128	3	101	27
Feb. 28, 1900,	587	66	102	1	187	38
Feb. 28, 1901,	460	51	101	2	153	29
Feb. 28, 1902,	307	35	257	13	88	25
Feb. 28, 1903,	183	19	537	31	61	13
Dec. 31, 1903,	158	30	283	13	60	16
Dec. 31, 1904,	235	26	112	3	73	11
Dec. 31, 1905,	411	56	91	2	198	17

TABLE XI.—EXCLUSIONS FROM SCHOOLS BY MEDICAL INSPECTORS.

Months	Jan.	Feb.	Mar.	Apr.	May	Jun.	Sep.	Oct.	Nov.	Dec.	Total
Scarlet Fever.....	....	....	....	....	....	....	....	1	....	....	1
Diphtheria.....	....	1	3	1	....	....	....	....	1	9	15
Measles.....	....	....	1	1	3	....	....	....	....	....	5
Whooping Cough..	....	....	....	....	....	....	....	....	....	1	1
Mumps.....	....	....	1	....	....	....	....	....	....	2	3
Chicken Pox.....	2	....	3	....	6	3	....	....	....	....	14
Skin Diseases.....	11	15	15	12	34	9	7	24	19	12	158
Parasitic Diseases,	5	3	18	4	12	14	....	15	11	12	94
Miscellaneous.....	10	17	21	5	8	6	3	15	6	4	95
Total.....	28	36	61	23	64	32	10	55	37	40	386

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REPORT OF THE BACTERIOLOGIST FOR THE YEAR 1905.

HARTFORD, CONN., MARCH, 1906.

To Thomas F. Kane, M. D., President of the Board of Health Commissioners, Hartford, Conn.

SIR:—I have the honor to submit herewith my report of the work performed in the Laboratory by myself, and under my direction during the year ending March 1st, 1906.

BACTERIOLOGICAL DIAGNOSIS OF DIPHTHERIA.

Number of cultures sent into the laboratory, and examined		1120
First cultures examined,	764	
Second cultures examined,	217	
Third cultures examined,	87	
Fourth, and more cultures examined,	61	
Total,		1129
Number of cultures brought in from the city,	930	
Number of cultures brought in from the schools,	189	
Number of cultures sent in from out of town,	10	
Total,		1129
Klebs-Loeffler bacilli found in city cultures,	332	
Klebs-Loeffler bacilli found in school cultures,	43	
No Klebs-Loeffler bacilli found,	754	
Total,		1129

The culture work demonstrates how small a number of cases of diphtheria there has been in the city during the year, and how effective the Laboratory is in restricting the disease. The time has fortunately long since passed when physicians were divided in their opinions as to the importance of the use of laboratory methods for the positive differentiation of the disease. The expectant diagnostic course, and the too long wavering in the determination of the character of the affection, avenges itself in such a dreadful manner, that medical men are becoming more and more rigid in their demands for an early diagnosis by means of the culture-tube and the microscope.

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This means that there are more and more cultures taken every year, that the cases are isolated much earlier than formerly, and, as a consequence, grave and fatal cases of diphtheria are more and more rare, while they are cared for more intelligently and with less liability of spreading from person to person.

In no department of Health-Board work has the utility, and imperative necessity of the laboratory been better demonstrated than in the diagnosis of diphtheria by means of the culture method.

WIDAL'S TEST OF THE BLOOD, IN TYPHOID FEVER.

Number of specimens of blood examined,		126
Positive reaction obtained,	76	
Negative reaction obtained,	27	
Indecisive reaction obtained,	23	
Total,		126

We have designed a new outfit consisting of a container of wood, a sterile pipette, and a needle in a sterile glass tube, all of which is conveniently arranged, and can be procured at the drug stores, in the same manner as the culture-tubes are obtained. By this means we are enabled to use serum from the blood, and are also permitted to make use of definite dilutions of the serum in our investigations, which is a vast improvement over the crude method of making use of dried blood by the card method heretofore employed. When the reaction has been positive, we have, by means of postals, requested the second and more examination, and also information as to the comparison of the reaction with the physician's diagnosis, or subsequent findings, with the result that the reaction has been correct in diagnosing the existence of the disease in more than 90 per cent. of cases regarding which we received answers to our postals from the attending physicians, showing that the improvement we have instituted for making use of this method of diagnosis is no less useful than that applied to the diagnosis of diphtheria. Since using the new outfits, we have the records of 67 cases, which we have followed by second tests, and full information as to the clinical findings from the attending physicians. Of these 67 cases, 51 correspond to the clinical findings. In 6 cases the correspondence was questionable. In 5 cases the test did not correspond to the clinical findings. In 5 cases we obtained no information from the Physicians.

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This is very interesting as showing the increased value of the Widal Blood Test when used by our improved technique.

EXAMINATIONS OF SPUTUM FOR THE BACILLUS OF TUBERCULOSIS.

Number of specimens of sputum examined, . . .	24	
Number in which tubercle bacilli were found, . . .	2	
Number in which no bacilli of tuberculosis were found,	22	
Total, ...		24

In reviewing this branch of the year's work, it would seem that there is nothing encouraging in it. When we understand that one death in every seven is due to consumption, and that there must be a very large number of consumptives in the city who are expectorating billions of bacilli of the affection, not only in their houses, but upon the public highways, the above report of examinations of sputum is so ridiculouly low that the only information it gives is the absolute lack of interest taken in the management and restriction of the disease by the majority of the medical men of the city. As the public is waking up to the importance of doing something, having for its object the limitation of tuberculosis, the time is near at hand when this portion of the laboratory work will be one of no small importance.

BACTERIOLOGICAL EXAMINATIONS OF THE CITY WATER SUPPLY.

During the year, as heretofore, bacteriological examinations of the water supplied to the city have been made weekly. The quality of the water has been uniformly most excellent.

On no one occasion have I found any evidence of animal contamination, and the bacterial count, which is the proper means for determination of the amount of organic impurities in a water, has been markedly lower than in former years. This indicates that the water is cleaner than formerly, and that greater care is being taken of the water supply by our effective Water Board. The following table gives the bacteriological counts of the water at each examination throughout the year:

Date	Bacteria per C C	Examinations in Kashida's Medium
April 4,	2250	Negative.
10,	3200	Negative.
18,	2400	Negative.
21,	1200	Negative.

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Date	Bacteria per C C	Examinations in Kashida's Medium
May 5,	1650	Negative.
12,	2500	Negative.
June 7,	1200	Negative.
14,	6000	Negative.
24,	7500	Negative.
28,	6400	Negative.
July 5,	12000	Negative.
10,	9400	Negative.
14,	11500	Negative.
19,	6500	Negative.
24,	7200	Negative.
Aug. 10,	2500	Negative.
16,	1400	Negative.
24,	800	Negative.
Sept. 5,	1250	Negative.
10,	1600	Negative.
16,	2500	Negative.
21,	800	Negative.
24,	1560	Negative.
Oct. 4,	2500	Negative.
11,	1680	Negative.
15,	1870	Negative.
21,	2250	Negative.
25,	1800	Negative.
30,	1240	Negative.
Nov. 6,	1200	Negative.
10,	840	Negative.
17,	600	Negative.
21,	980	Negative.
27,	540	Negative.
29,	350	Negative.
Dec. 4,	560	Negative.
8,	640	Negative.
12,	900	Negative.
16,	1270	Negative.
20,	480	Negative.
23,	365	Negative.
28,	680	Negative.
31,	892	Negative.
Jan. 1,	480	Negative.
10,	970	Negative.
14,	850	Negative.
20,	1210	Negative.
24,	350	Negative.
27,	500	Negative.
Feb. 6,	360	Negative.
12,	580	Negative.
18,	276	Negative.
24,	196	Negative.
28,	210	Negative.

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BACTERIOLOGICAL EXAMINATION OF WATER AND ICE.

During the year, numerous examinations of water and ice have been made, chiefly for the purpose of determining their sanitary condition. Some of the specimens have been investigated for the presence of animal contamination, as these were under suspicion as having some causal relation to several local outbreaks of typhoid fever. In addition to these investigations, several bacteriological examinations of ice, and pond-water from which ice-supplies are obtatined, were made, for the purpose of determining their suitability for use by the Public.

On June 25th, 1905, several samples of ice were brought into the laboratory by Inspector Farrell, from the Ice House on Flatbush avenue.

An examination of this showed such a large number of bacteria to the C. C., that they were uncountable, and the reaction in the Kashida medium, gave a positive result, showing the presence of the colon bacillus. Several other examinations of this ice were made with the same result, and I was ordered by your Board to examine into the source of this ice, and it was subsequently condemned.

On July 3, 1905, I made a bacteriological examination of a sample of ice, brought in by Mr. Farrell, from one of the carts of the Trout Brook Ice Company. The bacteriological count of this sample was 325 bacteria to the C. C., and the reaction in Kashida's medium, negative. This showed the absence of animal contamination of any kind.

During the course of the local epidemics of typhoid fever, I made examinations of water and milk, supplied by certain milk men to those districts, and which supplies were under suspicion by your President. The following gives the result, which was duly reported upon:

September 15. Three samples of water, marked A. C. King & J. C. King.

No. 1. Marked A. C. King. Bacteria per C. C., 3,500. Reaction in Kashida medium.—Negative.

No. 2. Marked J. C. King. Bacteria per C. C., 1900. Reaction in Kashida.—Very positive.

No. 3. Marked Well, J. C. King. Bacteria per C. C., 4,800. Reaction in Kashida.—Negative.

No. 4. Water from 405 Wethersfield Avenue. J. O. Stratton. Bacteria per C. C., 1,500. Reaction in Kashida.—Negative.

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No. 5. Water from brook of A. C. King, West Hartford. Bacteria per C. C., 800. Reaction in Kashida.—Very positive.

No. 6. Sample of water from the premises of A. C. King, West Hartford, marked, water from windmill in wash-room. Bacteria per C. C., 1,200. Reaction in Kashida.—Positive.

No. 7. Water from a brook, Jordan Lane, Wethersfield, Butler. Bacteria per C. C., 1,400. Reaction in Kashida.—Positive.

These examinations were made between September 15 and 19, 1905, and as a part of this investigation of the President, samples of milk were also examined. They gave the following:

No. 1. Milk from J. O. Stratton's cows. Bacteria per C. C., 29,000. Reaction in Kashida.—Negative.

No. 2. Milk from the supply of Butler, Jordan Lane, Wethersfield. Bacteria per C. C., 22,000. Reaction in Kashida.—Negative.

These results were duly reported to the President, and his investigations revealed the source of the infection of the supplies, and the cessation of the epidemics of the typhoid caused by the same.

Oct. 25. Sample of water brought in by Mr. Farrell. From house-water from well 43 Fishfry Street. Bacteria per C. C., 35,000. Reaction in Kashida.—Very positive.

A series of examinations were made in November, by order of President Kane, for the purpose of determining the suitability of a certain Pond on Blue Hills avenue as an Ice-Supply, with the following results:

No. 1. Water from North end of brook, West Branch, Blue Hills Avenue (Storrs). Bacteria per C. C., 15,600. Reaction in Kashida.—Negative.

No. 2. Water from brook, Blue Hills Avenue, East Branch (Storrs). Bacteria per C. C., 3,600. Reaction in Kashida.—Positive.

No. 3. Junction of East Branch, 69 Blue Hills Avenue. Bacteria per C. C., 1,200. Reaction in Kashida.—Very slight.

No. 4. Storrs well, Blue Hills Avenue. Bacteria per C. C., 6,000. Reaction in Kashida medium.—Very positive.

Bacteria per C. C. Reaction in Kashida.—Very positive.

All the samples, but one, of this series were unfit for use either as a supply for ice, or for drinking purposes.

An examination of the water from the Ice Pond at the Town House has also been made showing:

Bacteria per C. C. 375. Reaction in Kashida.—Very positive.

I feel that this also, is an unfit, and dangerous source of Ice.

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On December 14, 1905, samples of water from the Ice Pond of the Trout Brook Ice & Feed Co. were submitted for examination by Commissioner B. Lyon, with the following results:

No. 1. From center of the Dam. Bacteria per C. C., 150. Reaction in Kashida medium.—Positive.

No. 2. From Millside. Bacteria per C. C., 250. Reaction in Kashida. —Very positive.

I was then ordered to go out to the Pond and obtain my own samples, which I did on January 12th, 1906. The pond was completely frozen over at the time I visited it, and we had to cut through about 14 inches of ice to obtain samples. I also took some of the block ice removed to obtain the water for examination.

Sample No. 1. Was taken about 20 feet from the shore (West). Bacteria per C. C., 112. Reaction in Kashida.—Negative.

No. 2. Opposite the "Run," 40 feet from shore. Bacteria per C. C., 75. Reaction in Kashida.—Negative.

No. 3. From about 5 feet from shore, west side, near the ditch. Bacteria per C. C., 112. Reaction in Kashida.—Negative.

No. 4. From about four feet from shore, east side. Bacteria per C. C., 100. Reaction in Kashida.—Negative.

No. 5. From back of cemetery, near the shore. Bacteria per C. C., 250. Reaction in Kashida.—Negative.

No. 6. From center of the pond, about 400 feet from Dam. Bacteria per C. C., 158. Reaction in Kashida.—Negative.

At the same time, I took samples of ice from the blocks removed to obtain the water. These were pieces about 18 inches square, and the Bacteriological examination of the two samples were similar. They were:

Bacteria per C. C., 450. Reaction in Kashida.—Negative.

This result, in my opinion, represents the purity of the whole supply. From the examination I made, I should say that this ice supply will compare favorably with any supply hereabouts, but that it is extremely liable to contamination, and may become dangerous any time, because of its surroundings.

On December 20, 1905, samples of water from Lavoie's Ice Pond, Bloomfield Road, were brought to the laboratory for examination by Inspector Farrell. These were plated with the following result:

No. 1. From Lavoie's ice pond, west side of Bloomfield road. Bacteria per C. C., 210. Reaction in Kashida.—Positive.

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No. 2. From Lavoie's pond, west side Bloomfield road, east side of pond. Bacteria per C. C., 275. Reaction to Kashida.—Slight.

No. 3. From Flagg's ice pond. Bacteria per C. C. Reaction to Kashida.—Positive.

All these samples are liable to contamination with animal material, and, are, in my opinion, unfit for a general Ice Supply.

February 17, 1906, samples of water were brought into the laboratory for examination from Hardy's Ice Pond, by Mr. Farrell. The samples were obtained in Vernon, Conn.

No. 1. From Hardy's ice pond, Vernon, (North). Bacteria per C. C., 350. Reaction in Kashida.—Negative.

No. 2. From Hardy's ice pond, Vernon, (South). Bacteria per C. C., 286. Reaction in Kashida.—Negative.

No. 3. From Hardy's ice pond, Vernon (Center). Bacteria per C. C., 237. Reaction in Kashida.—Negative.

These last samples were very pure water, and, other things being equal, might be safe for use as a supply of ice.

LABORATORY EXAMINATIONS OF MILK.

Within the past few months, another department has been added to the laboratory, that of the bacteriological and chemical examination of the milk supplied to the City.

In order to carry on this work effectively, the Board saw fit to allow me to appoint someone to assist me in executing the duties demanded by the new Ordinance. I therefore appointed Dr. Harry K. Loew, of this City, whose report accompanies this, and by whom this work has been carried on.

In conclusion, I wish to thank the President, and also the members of this Health Commission, for the assistance they have given me in the prosecution of my duties during the past year. The Laboratory Committee, Dr. Root and Mr. Lyon, also to Mr. Farrell, Health Inspector, and Mr. Copley, the Milk Inspector, who has been in almost daily contact with us in the laboratory.

Respectfully submitted,

ARTHUR J. WOLFF, M. D.,

Bacteriologist.

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MILK REPORT FOR THE FISCAL YEAR 1905.

To Arthur J. Wolff, M. D., Bacteriologist, Board of Health, Hartford, Conn.

DEAR SIR:—I have the honor to present the report of Milk analysis, and work relating thereto, done by me during the fiscal year ending March 1st, 1906.

This Department having been inaugurated on January 1st, embraces but two months, and is as follows:

Total chemical examinations of milk,	116
Number of samples testing in fat content below 3.8 per cent.,	16
Number of samples of specific gravity below 1030.0,	15
Total bacteriological examinations of milk,	23
Number showing over 10.000 colonies per cubic centimeter,	11
Number showing animal contamination by positive reaction to Kashida	1
Total bacteriological examinations of water,	6

All of which were satisfactory, the highest bacterial count being 7,200, and none positive to the Kashida medium.

The Board having, and properly so, deferred the adoption of standards until a sufficient number of examinations have been made to determine intelligently, and with justice, what these should be, in the above tabulated results, and for the purposes of this report, alone, a Fat content of 3.8 per cent. has been taken as a minimum, while with reference to Specific Gravity and to the Bacterial count, 1030.0, and 10,000 colonies per C. C. have been adopted, respectively, as standards for comparison.

So short a time has elapsed since my last report was submitted, and this having, I believe, taken cognizance of the needs of the laboratory, I will refrain from reiteration and respectfully refer the Board to the same.

Respectfully submitted,

HARRY KALMAN LOEW, M. D.,

Assistant Bacteriologist.

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MILK INSPECTOR'S REPORT.

HARTFORD, CONN., MARCH, 1906.

To the Board of Health Commissioners.

GENTLEMEN:—I have the honor to submit the following report for the last two months of the year ending February 28, 1906.

During these two months I have visited 161 farms and milkrooms, twenty-nine of these were dealers only; eighty-six producers but not peddlers and forty-six peddlers who produced a portion of their own milk. I also called at some places that could hardly claim this title. There were few owners that did not admit that there was room for improvement, and in most cases without much extra cost.

I find that many farmers have been in the habit of letting the manure remain back of the cows, in the same room, for several days and in some cases months. These men were told to remove all manure at least once each day and see that the stables are kept neat and the milk cooled promptly and kept so until delivered to the customer.

There is a small demand for warm milk, but I feel sure this will not last long when the consumers find how much better the same milk would be if it were cooled and that the peddlers can cool it in a very short time, when they have the proper equipment.

I have taken one-hundred and sixteen samples and all but seven of them were extra good; four of these showed a low percentage of butter-fat and three showed a large number of bacteria.

Several men were peddling milk without a license and some of these were granted one while others were warned to stop selling as they did not have suitable milkrooms.

Most of the milkmen seem to be glad to help the work along and there is every reason to look for good results in the near future.

Respectfully submitted,

J. M. COPLEY,

Milk Inspector.

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SANITARY INSPECTOR'S REPORT.

HARTFORD, CONN., MARCH, 1906.

To the Honorable Board of Health Commissioners.

GENTLEMEN:—We have the honor of presenting to you our Annual Report for the year ending Feb. 28, 1906.

SUMMARY OF REPORTS OF SANITARY INSPECTOR.

Number of inspections made,	3,082
Number of nuisances found requiring attention,	2,193
Number of notices served for abatement of nuisances,	2,193

NUISANCES FOUND ABATED SINCE LAST REPORT.

Vaults cleaned,	57
Vaults abandoned,	23
Water closets displacing vaults,	36
Water closets (new), displacing unserviceable,	84
Water closets removed from basements,	6
Waste and soil pipes (new), displacing unserviceable,	58
Waste pipes trapped and vented,	93
Iron drain pipes displacing tile,	35
Houses connected to sewers,	24
Vacant lots drained or graded,	21
Basements cleaned,	43
Yards and alleys cleaned,	378
Tenements disinfected,	500
Dead animals removed,	138

SEWERS.

There has been constructed the past year one and 5-100 miles of sewers. There is projected for this year, the continuation of the Windsor Street sewer up to and through Windsor Avenue to city line, and the extension of the New Britain Avenue sewer to city line.

MOSQUITOES.

These pests are at times a great nuisance to those of our citizens who reside in the vicinity of the South Meadows.

It would be impossible to anticipate the amount of spraying to be done in any one season, as it depends altogether upon weather conditions.

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In the season of 1904 the spraying was begun on May 26 and the last spraying was done on July 6, while in 1905 it was commenced May 9 and ended June 23.

CONTAGIOUS HOSPITAL.

There was but one case in the Contagious Hospital during the year. On December 26, 1905, this office was notified of a case of small pox. The patient was removed to the Contagious Hospital the same day, and a nurse obtatined that evening. The patient remained until January 11, when he was discharged as cured. During his stay he was visited by a physician every day.

ASHES AND GARBAGE.

Few complaints have been received about the non-collection of ashes and garbage and when a complaint was made, it was attended to promptly by the Contractor when notified.

GANGWAYS AND ALLEYS.

The gangways and alleys in the business section of the city are at times in very poor condition, even though looked after closely by the Inspectors. A little public spirit, no great effort, and small expense would keep these places in good condition.

FUMIGATION.

All places where contagious diseases have occurred were fumigated. Rarely has a case recurred in a house where this has been done and when it did happen it was evident that infection had taken place previously.

GENERAL CONDITIONS.

The city as a whole has been in very fair condition the past year. It should be apparent to the observer that education has done good work in some things. At the present time one does not see pools of tobacco spits in front of public places. The sidewalks of the business section of the city are to-day more defiled by dogs than by the expectorations of human beings. Education and public sentiment can accomplish a great deal.

Respectfully,

ROBERT J. FARRELL,
Inspector.

DENNIS J. MURPHY,
Assistant Inspector.

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PLUMBING INSPECTOR'S REPORT.

HARTFORD, CONN, MARCH, 1906.

To the Honorable Board of Health Commissioners of the City of Hartford.

GENTLEMEN:—As Plumbing Inspector of your Board I have the honor of presenting the Tenth Annual Report of the Plumbing Department for the year ending Feb. 28, 1906.

The work of the department has been carried on as in previous years.

During the summer months the inspection of the sanitary condition of the plumbing in schools, which was begun in 1900, was carried on and where required, temporary accommodations were added or repairs were made.

While the operation of installing modern water closets in place of these unsanitary arrangements is slow, in justice to the committees it should be said that they contemplate making these improvements when additions to some of these schools are made, the plans for some of which are now being considered.

There were issued during the year 437 permits to do plumbing. Of this number, 199 were for plumbing to be done in new residential homes, of which number, 53 were for single or one family residences, and 146 were arranged for 530 tenements, making a total of 583 new homes provided for families.

There were 37 more permits to do plumbing in new buildings, issued this year than the year previous, all of which were for houses built for more than one family. The total number of new homes provided for families is 169 more this year than the year previous.

There were 14 permits issued to do plumbing in new buildings, which were to be used for other than residential purposes, and 224 permits were issued to remodel old, or to put new, plumbing in old buildings. The number is 16 more than were issued the year previous, and represents only a small part of that kind of work done in old buildings, where repairs or alterations were made voluntarily or by order.

The following report is a summary of inspections made, permits issued, and the different kinds of defective plumbing found and remedied.

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NUMBER OF INSPECTIONS.

Total number of inspections made,	2,683
Inspections of new work,	1,171
Inspections of old work,	1,512
Applications to do plumbing examined,	437
Permits issued to do plumbing,	437
Plans examined and approved,	168
Plumbing tested with water test,	424
Plumbing tested with peppermint,	42
Plumbing tested with smoke,	33
Defects found by test and remedied,	390
Defective vent pipes altered and defects remedied,	47
Water closets, new, displacing unserviceable closets,	512
Fixtures trapped and ventilated,	735
Iron waste pipes, displacing lead,	67
Iron waste pipes extended through the roof,	75
Iron soil pipes extended through the roof,	135
Iron drain pipes displacing tile,	139
Tile drains laid too near the foundation wall ordered out and relaid at a safe distance from same,	4
Notices served to remedy defective plumbing,	365
Number remedied since last report,	325

BOARD OF EXAMINERS OF PLUMBERS.

The Board of Examiners consists of six members, and is composed of representatives of the Board of Health and master and journeymen plumbers.

Board of Health—President, Dr. Thomas F. Kane.

Plumbing Inspector—John H. Maloy.

Master Plumbers—Thomas L. Dowling, James F. Duffy.

Journeymen Plumbers—William Haspey, Fred H. Maddox.

The Board meets in the office of the Board of Health the last Friday evening in the month, when applicants for licenses are examined orally and by chart, and are given a practical test in a room equipped with tools, materials, charts, etc., which are provided for that purpose. During the year 30 applicants, who appeared for licenses, were examined, of which number, 28 passed a satisfactory examination and were presented with a certificate, which authorizes them to work at the trade as journeymen plumbers.

Since August 27, 1892, one hundred and fifty-seven persons have registered as master plumbers. Of this number, fifty are now carrying on business in this city.

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Three hundred and forty journeymen plumbers have registered, of which number, two hundred and fifty-one have passed a satisfactory examination and received licenses to work as journeymen plumbers.

Respectfully submitted,

JOHN H. MALOY,
Plumbing Inspector.

REGISTRATION OF PLUMBERS.

MASTER PLUMBERS.

Adams, S. G.	425 Main Street.
Birch, Richard	37 Church Street.
Bull, N. B. & Son	345 Asylum Street.
Campbell, Fred S.	205 Park Street.
Conway, Thomas K.	93 Franklin Avenue.
Cope Bros.	117 Market Street.
Conran, Frank E.	370 Trumbull Street.
Couch, George M. Co.	1072 Main Street.
Cullen, John	158 Main Street.
Dowd & Sadler	84 Trumbull Street.
Dower, John J.	550 Main Street.
Dowling, Thomas L.	448 Asylum Street.
Duffy, James F.	443 Main Street.
Dunn, John J.	345 Wethersfield Avenue.
Dunne, Daniel J.	34 Sheldon Street.
Ellison, Frank D.	19 Kinsley Street.
Epstein, Otto	34 Wells Street.
Farrell, Daniel J.	29 Mulberry Street.
Ford, Thomas A.	226 Putnam Street.
Garvie, Robert	12 Mulberry Street.
Gunning, Charles J.	756 Main Street.
Hanlon & Murphy	280 Asylum Street.
Hartford Plumbing Co.	182 Pearl Street.
Harris, James	548 Asylum Street.
Hogan, Malachi	760 Main Street.
Hogan, William B. & Bro.	201 Trumbull Street.
Hopper, John W.	1076 Main Street.
Jones, Owen H.	223 State Street.
Langdon & Daly	1222 Main Street.
Langdon & Sullivan	288 Pearl Street.
Lawler, J. J.	53 Farmington Avenue.
Lyon, Jacob & Sons	19 and 20 Central Row.
Mahl, Edward	1204-6 Main Street.
Mahl, George & Son	1140 Main Street.
Mahoney, William E.	261 Asylum Street.

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McCarthy, T. M.	288	Main Street.
McDonald, James A.	824	Park Street.
McDonald, Peter	294	Asylum Street.
McManus, J. C. & Sons	344	and 350 Main Street.
Melicovsky, Jake	209	Front Street.
Murray, W. & J.	450	and 454 Main Street.
Oakes, Thomas & Son	11	Haynes Street.
Purcell, John L.	360	Main Street.
Shepardson, D. F.		Wethersfield Avenue.
Sinnott, Thomas J.	248	Park Street.
Smith, Allie M.	166	Windsor Avenue.
Snow, Geo. A.	1157	Main Street.
Speirs, Robert G.	27	Albany Avenue.
St. John & Manierre	1998	Main Street.
Trant, Thomas	21	Wells Street.
Vanderman, Wm.	172	Pearl Street.

SUPPLIES.

Birkery, C. J.	614	Windsor Street.
Hogan Mfg. Co.	74	Grove Street.
Jones, Owen H.	223	State Street.
Knox, Frank J. Co.	9	South Ann Street.
Plimpton & Hills Corporation	164	State Street.

Journeymen who have passed examinations since October 29, 1892:

JOURNEYMEN PLUMBERS.

Adams, S. G.	November	5, 1892.
Adams, H. J.	March	5, 1897.
Ahern, B. J.	June	5, 1897.
Bassett, Philias	July	29, 1905.
Beck, H. Frank	February	7, 1893.
Beck, Curt	October	29, 1892.
Bell, Herbert M.	October	29, 1892.
Bermingham, Jos. B.	August	2, 1895.
Bouton, Thomas J.	October	29, 1892.
Boyle, Dennis	June	10, 1893.
Brazel, M. T.	June	5, 1894.
Brinton, J. P.	May	6, 1898.
Butler, Michael B.	March	10, 1893.
Buchanan, C. O.	August	2, 1895.
Burns, J. J.	January	4, 1896.
Cadigan, Morris W.	October	29, 1892.
Cadigan, Frank	September	1, 1892.
Campbell, F. S.	April	7, 1903.
Carmody, John	May	6, 1898.
Carmody, James L.	March	27, 1903.

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Carey, John E.	October	29, 1892.
Carney, Eugene	June	10, 1893
Carney, John	February	1, 1895.
Cavanaugh, Thomas J.	February	23, 1893.
Clapp, Fred C.	September	1, 1893.
Cody, Wm.	April	10, 1895.
Coffey, M. F.	October	29, 1892.
Coffey, James T.	April	17, 1903.
Condon, Wm.	August	2, 1895.
Cone, R. D.	October	29, 1892.
Conklin, J.	November	5, 1892.
Conners, T. C.	June	6, 1895.
Connors, Peter A.	May	26, 1905.
Conran, F. E.	November	19, 1892.
Conway, T. K.	June	6, 1896.
Cope, John	February	7, 1893.
Cope, George,	February	7, 1893.
Cosgrove, W. J.	January	3, 1899.
Craige, John S.	February	7, 1893.
Cullen, Charles	April	1, 1898.
Cunliffe, James	June	10, 1893.
Cunningham, John	October	5, 1896.
Cunningham, Michael J.	February	24, 1905.
Daley, P. H.	October	29, 1892.
Davies, James R.	October	29, 1892.
Deady, Nicholas	October	4, 1895.
Donahue, C.	February	24, 1905.
Donnelly, James H.	March	31, 1905.
Donnelly, Thomas J.	January	26, 1905.
Dorney, J. F.	September	4, 1894.
Dowd, Timothy P.	January	29, 1904.
Dower, J. J.	May	6, 1897.
Dowling, Thomas L.	October	29, 1892.
Dowling, Wm. J.	June	4, 1898.
Duffy, James F.	February	7, 1898.
Duffy, James A.	March	25, 1904.
Dunn, John H.	April	28, 1905.
Dunn, John J.	November	6, 1892.
Dunn, Thomas F.	February	24, 1905.
Dunne, Daniel J.	January	29, 1904.
Easton, George	June	6, 1898.
Ellis, Charles N.	May	15, 1893.
Ellison, James	February	7, 1893.
Ellison, Frank D.	October	1, 1899.
Epstein, Otto	June	6, 1896.
Fay, James	October	29, 1892.
Fay, Michael	December	19, 1898.

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Farrell, Daniel J.	October	29, 1892.
Farrell, John A.	May	26, 1905.
Fell, Joseph J.	May	7, 1897.
Fenton, Patrick	March	27, 1903.
FitzGerald, Martin	September	2, 1898.
Fitzsimmons, B. J.	May	6, 1898.
Ford, Thomas A.	June	6, 1896.
Fosket, Charles	October	29, 1892.
Fowler, Emerson D.	October	29, 1892.
Franklin, Frederick L.	October	27, 1905.
Gaffey, Edward J.	October	29, 1892.
Garvie, James D.	June	30, 1905.
Gast, Fred J.	April	5, 1897.
Gettings, D. J.	November	3, 1895.
Gibbons, Frank H.	March	31, 1905.
Graham, James R.	November	3, 1893.
Gunning, Charles J.	June	6, 1896.
Harrigan, John H.	October	29, 1892.
Harrington, M. J.	October	1, 1897.
Hartley, William	October	29, 1892.
Haspey, William	March	11, 1893.
Hawyer, Edward	January	10, 1893.
Hayden, William A.	January	26, 1905.
Hinken, George P.	June	4, 1898.
Henson, M. J.	October	29, 1892.
Hibbard, W. E.	May	7, 1897.
Hills, J. P.	March	3, 1895.
Hines, Thomas E.	August	5, 1898.
Hogan, Malachi	February	7, 1893.
Hogan, Thomas P.	March	11, 1893.
Hogan, William B.	March	11, 1893.
Hopewell. A. Carl	August	4, 1899.
Hopper, John W.	October	29, 1892.
Horman, John E.	December	11, 1897.
Howle, E. J.	March	15, 1903.
Hoye, Thomas H.	November	6, 1896.
Hull, Harry A.	November	5, 1892.
Hussey, Stephen L.	January	29, 1904.
Jones, Charles W.	March	11, 1893.
Keating, Daniel J.	October	29, 1892.
Keefe, T. J.	October	29, 1892.
Keefe, Michael	June	6, 1896.
Keenan, John C.	March	1, 1895.
Kelleher, Edward C.	February	1, 1895.
Kirkley, Robert	February	1, 1895.
Lagan, James J.	November	6, 1896.
Langdon, J. F.	October	29, 1892.

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Langdon, Thomas H.	October	29,	1892.
Lawler, J. J.	February	7,	1893.
Leahy, J. J.	January	6,	1898.
Lenihan, John J.	November	27,	1903.
Lenox, Walter	October	29,	1892.
Lenox, William J.	October	29,	1892.
Lewis, Fred H.	September	29,	1905.
Lewis, J. R.	April	28,	1905.
Lemay, Joseph	June	30,	1905.
Lowe, John G. F.	March	11,	1893.
Loomis, B. B.	May	7,	1897.
Luzmore, Lester T.	September	29,	1905.
Lyon, Benjamin	October	6,	1893.
Lyons, J. J.	June	6,	1896.
Lyons, E. E.	January	29,	1904.
Lyons, J. P.	September	3,	1897.
Maddox, F. H.	June	7,	1897.
Mahoney, J. J.	October	29,	1892.
Mahoney, W. E.	November	5,	1892.
Mahoney, H. P.	June	7,	1898.
Maloy, J. H.	October	29,	1892.
Maloy, Wm. F.	August	4,	1899.
Maloy, Mark F.	August	10,	1899.
Maloney, James	March	5,	1895.
Mannierre, Arthur	March	11,	1893.
Marshall, A. B.	September	6,	1895.
Mattatell, W. W.	September	29,	1905.
McCarty, T. M.	February	1,	1895.
McCormack, Fred	September	29,	1905.
McCue, J. J.	July	21,	1893.
McDonald, Peter	October	29,	1892.
McDonald, James	April	7,	1897.
McDugall, Samuel	January	4,	1896.
McEntee, A. J.	September	29,	1905.
McGreary, Roderick	April	29,	1904.
McGrath, Edward	October	29,	1892.
McGrath, J. J.	April	7,	1897.
McGrath, Thomas	May	7,	1897.
McLaughlin, M. H.	April	28,	1905.
McKeon, Frank	June	5,	1897.
McNab, A. J.	June	6,	1896.
Moran, W. J.	August	4,	1899.
Morgan, James J.	April	28,	1905.
Morgan, Wm. J.	August	4,	1899.
Moulton, Charles A.	January	29,	1904.
Mulcahy, William H.	June	30,	1905.
Mullins, John	May	7,	1899.

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Murphy, D.	August	4,	1899.
Murphy, J. J.	October	29,	1892.
Murphy, John T.	January	26,	1905.
Murphy, Timothy J.	October	27,	1905.
Murray, Charles	February	7,	1897.
Murray, William A.	October	29,	1892.
Nadean, Charles H.	May	26,	1905.
Newland, J. R.	October	2,	1899.
Nolan, James J.	August	14,	1899.
Nolan, Joseph	October	29,	1892.
Oakes, William E.	March	31,	1905.
O'Brien, John	October	6,	1893.
O'Brien, Frank	January	29,	1904.
O'Brien, Michael J.	January	29,	1904.
O'Brien, William	June	4,	1898.
O'Connell, D. F.	March	1,	1895.
Owens, George	February	1,	1895.
Owens, Albert J.	February	24,	1905.
Opperman, Fred	March	25,	1904.
Pepion, Andy S.	March	25,	1904.
Peterson, C. B.	March	27,	1903.
Phillips, J. C.	February	5,	1897.
Porter, Ira W.	September	29,	1905.
Pratt, A. J.	November	5,	1892.
Purcell, Edward	January	4,	1896.
Purcell, J. L.	June	9,	1900.
Reiman, F.	December	6,	1895.
Robin, Lewis	May	6,	1898.
Robertson, David	June	10,	1893.
Roch, Wm. B.	May	6,	1898.
Rohan, John F.	March	11,	1893.
Rourke, Thomas	June	10,	1893.
Ryan, James	July	2,	1897.
Sadler, Erne	January	29,	1904.
Sawyer, D. A.	February	16,	1898.
Schimke, Fred	June	30,	1905.
Scofield, David	October	29,	1892.
Shaw, Samuel L.	May	6,	1898.
Shaw, D. D.	November	5,	1892.
Shepardson, D. F.	October	2,	1893.
Sinnott, Thomas J.	October	29,	1892.
Slingland, Frank	May	15,	1903.
Smith, John	February	7,	1893.
Snow, Charles L.	February	7,	1893.
Snow, George A.	May	7,	1893.
Spears, Robert J.	October	29,	1892.
Starkey, Walter	March	2,	1894.

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Starr, John C.	November	27, 1903.
Stephens, George J.	October	27, 1905.
St. John, George H.	October	29, 1892.
Sugrue, Timothy	October	29, 1892.
Sullivan, D. F.	November	5, 1892.
Sullivan, J. J.	October	29, 1892.
Sweeney, Thomas A.	October	29, 1892.
Taylor, Charles E.	July	29, 1904.
Taylor, J. N.	April	27, 1904.
Tierney, James	September	1, 1893.
Tilden, Bert O.	May	3, 1894.
Toner, Wm. H.	September	18, 1895.
Trant, Thomas	October	29, 1892.
Trotter, Thomas	June	30, 1905.
Trumbley, G. F.	May	15, 1903.
Turtelott, Wm.	June	6, 1896.
Vandermark, Wm.	April	7, 1897.
Wall, William	January	29, 1904.
Warer, Edward	November	12, 1892.
Warner, Robert	March	11, 1893.
Wiley, Charles C.	October	29, 1892.
White, John	July	21, 1893.
Wright, David McL.	June	9, 1900.

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REPORT

OF THE

Board of Charity Commissioners

FOR THE

Year Ending April 1, 1906.

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Members

of the

Board of Charity Commissioners.

Organized March 15, 1896.

RICHARD J. DILLON,	Term expires June, 1908
CHARLES L. TUTTLE,	Term expires June, 1908
ATWOOD COLLINS,	Term expires June, 1907
WILLIAM BRO. SMITH,	Term expires June, 1907
J. HOWARD MORSE,	Term expires June, 1906
JAMES G. BACON,	Term expires June, 1906

OFFICERS.

J. Howard Morse, President
James G. Bacon, Vice-President
W W. Stillman, Superintendent
H. G. Bailey, Clerk
M. H. Gunshannan, Investigator
Harry C. Clifton, Physician

ALMSHOUSE.

Charles S. Woodward, Steward

George Cavens, Orderly
John H. Gilday, Engineer
Mrs. A. L. Pierce, Matron
Mrs. C. Douglas, Officers' Cook
Mrs. Mary Redmond Laundress
Michael Joyce, Watchman
Wm. P. H. Cross, Cook
Charles Felhage, Barnman

Bruno E. Hockert, Hospital Steward and Pharmacist
Miss Belle A. Clement, Head Nurse

Mrs. L. C. Beck
Miss Elizabeth Kaschaw
Miss M. E. Seymour
Michael B. Daly
Miss M. A. Bane
Miss Elizabeth Savage.
Miss E. R. Kron

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ANNUAL REPORT.

To the Honorable Court of Common Council of the City of Hartford,

GENTLEMEN:

In submitting herewith our tenth annual report, covering the year ending March 31, 1906, we desire to particularly call your attention to that part of the report dealing with the Almshouse and Hospitals.

We have always had a male Hospital ward at the Almshouse and a children's ward, but before this last year we never had a female Hospital ward. We also had a male tubercular ward but none for females; and it was to supply a proper ward for female tubercular cases, children, and female sick, that the new wards were added to the Almhouse.

The Cedar Hill Mountain Hospital having been reopened last year, after our wards were built, it was thought best by the Board to get rid of all tubercular patients at the Almhouse, and they were accordingly transferred to the Hartford Hospital Tubercular Annex about September 1, 1905, and these wards were put in use for Hospital cases.

The male wards were built in 1897 as an addition and a part and parcel of the Almshouse, and no separate account has ever been made of the expense of their maintenance. The female wards were likewise built as an addition to the Almshouse and are as truly a part and parcel of the Almshouse, and therefore no separate account has been made of the expense of their maintenance. They are simply another means by which we are enabled to care for our own legitimate business, thus keeping in

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closer touch with it and having more control of it. Of still greater importance to our minds, is the fact that they are a means of keeping off our books, and therefore self-supporting, many people who can pay their bills, and yet who, if they can get help in some place where their friends will not know they are getting it from the town, will take town help and become town charges.

There can be but two classes of critics to our work. Those who say we cannot give as good care to our sick as they can get in the Hartford Hospital or the St. Francis Hospital; and those who claim that our present method of caring for the sick cost more than the city used to pay for this purpose. To the former we would reply, that we have a physician; an interne who is licensed to practice Medicine and Surgery in this state, and a force of five female nurses and two probationers on the female side; and a Hospital Steward and male nurse on the male side. And we would be glad if our critics would visit and inspect the Almshouse and ask the patients there now, and those who have been there and have been discharged, how they were treated.

As to the item of expense—The Board has five classes of the poor to care for—The Out Door, the Sick, the Almshouse poor and the Insane and Orphans. In the year ending March 31, 1905 we paid out for the sick $24,172.31, and for the Almshouse, not including the cost of the new wing, $43,867.35, a total of $68,039.66.

This year we have paid out to the Hospitals, including the Home for Incurables, $12,450.40, and for the Almhouse $50,218.97, a total of $62,669.37, or a difference in favor of the city of $5,370.29, and in the expense of this year it must be remembered is an amount of nearly $3,000, for operating-rooms and ward furnishings, which will not have to be replaced for sometime to come. We are unable to see how the paying out of less money for the care of the sick and Almshouse poor than we paid out last year can be considered otherwise than as a saving, and we have no hesitation in saying that our saving for the fiscal year 1906 and 1907 over the year 1904 and 1905 will be nearer $10,000.00 than $5,000.00, although the fact that all our tubercular cases are now sent to the Hartford Hospital will militate against us.

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We incorporate the report of the City Physician as to the medical and surgical work of the Department for the past year, and heartily endorse his commendation of our Interne, Dr. O. G. Wiedman. We also desire to thank Doctors Johnson, Bunce, Andre, Blanchard, Edwards and M. H. Gill for the assistance they have rendered Dr. Clifton in his work at the Almshouse Hospital.

The following pages will show how the appropriation was expended, together with other statistics relating to this department.

The appropriation for the year was $104,729.00. An extra appropriation of $3,000.00 was allowed on the Almshouse account, making a total of $107,729.00 for the year.

We have turned over to the City Treasurer the sum of $1,731.98, being amounts collected by this department on various accounts.

OUT DOOR POOR.

Under this head is included aid rendered to persons who were not inmates of institutions.

Assistance outside of transportation and medical attendance has been furnished 102 families. These families consisted of 490 persons, of whom 158 were adults and 332 children, at an expense of $5,107.64. Transportation has been provided for 237 persons, at an expense of $429.05. 1, 383 orders have been given for attendance by the City Physician and medicines have been furnished on these orders at a cost of $441.80. The number of persons buried, outside of inmates of institutions, was 34. at a cost of $300.00. This makes a total of $6,278.49 expended for assistance rendered approximately 1,453 persons, making a per capita expenditure of $4.32. Coal to the amount of 20 tons has been furnished on 80 orders. There remain on expense April 1, 1906, 55 families.

The amount expended under this head in the year ending April 1, 1897, was $10,430.30 for 10 1-2 months; 1898, $10,-582.71; 1899, $9,374.66; 1900, $7,201.45; 1901, $6,628.34; 1902, $6,560; 1903, $8,150,20; 1904, $6,650.97; 1905, $7,600; 1906, $6,-278.49.

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We have secured 45 tons of coal from the Union for Home Work, and the Almoners of the Hartford Charitable Society, and the Niles Fund, besides much other valuable assistance, and we desire to acknowledge our obligations for the same.

REPORT OF THE STORE KEEPER AND INVESTIGATOR.

For the year ending March 31, 1906.

Total number of orders received at the store room was 714. The average number of orders per week was 13 2-3, the same being distributed among 32 families. The total number of orders for the previous year was 729, a decrease of 15 orders for the past year. The number of families receiving orders for the previous year was 38, showing a decrease of 6 families for this last year. The largest number of orders for the past year was 18, May 6, 1905, and the lowest number was 9 on March 31, 1906.

The amount of provisions given out on 714 orders was 17,956 lbs., at a cost of $702.05. The amount given out the previous year was 18,537 lbs., at a cost of $745.13. There is on hand 1,173 lbs. of provisions, valued at $56.25.

I have made during the past year 2,164 visits to families seeking relief, Applicants for admission to the Almshouse, Hartford and St. Francis Hospitols, and to Homes and Asylums for the care of children. I have also made many investigations for individuals and private Charitable Agencies in this city, and also of cases for Public Charities of other towns in this state.

M. H. GUNSHANAN,

Investigator

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LIST OF OUT DOOR POOR.

Who were furnished aid to the amount of $12 or more.

Allen, Lizzie	$ 48.00	Luger, Rosa	16.00
Allen, Mary	32.00	Levin, Jennie	48.00
Berman, Minnie	35.00	Lynch, Declan J.	20.00
Bliss, Catherine,	37.50	Lennihan, Mary	16.00
Butler, Michael	33.00	Mooney, Mary	102.75
Broad, Elizabeth	12.00	Metzner, Mary	70.50
Bennett, Viola	16.00	Myer, Fredericka	48.00
Brucker, Frances M.	52.00	Morgan, Patrick J.	48.00
Barlow, Ida	55.00	Moynahan, Bridget	48.00
Bobinski, Josie	25.75	Meisel, Betty	48.00
Beatty, Carrie L.	54.08	Meisterling, Elizabeth	48.00
Courtot, Engenia	109.75	McCarthy, Annie	72.00
Connors, Catherine	73.75	McQueeney, Mary	48.00
Cahill, Margaret	48.00	McCarville, Sarah	74.75
Cohen, Annie	48.00	McGrath, Michael J.	47.00
Connover, Herbert J.	48.00	Noonan, Bridget	28.00
Chaffee, Cornelius V.	60.00	O'Leary, Annie	55.00
Cassiday, Edward	13.00	Oleslager, Pavelina	55.00
Daley, Mary	48.00	Ogilvie, Isabella	24.00
Donahue, Michael	14.50	O'Connell, Winnifred	37.00
Donlon, Bridget	34.00	O'Brien, John	40.00
Epstein, Mary	15.00	Palazza, Marie	106.35
Finn, Ann	16.00	Powers, Catherine	48.00
Geoghagen, Bridget	108.00	Patina, Lena	13.60
Godwin, Martin	71.00	Peterson, Betty	21.15
Garrity, Elizabeth	28.00	Reardon, Ann	48.00
Gaughan, Bessie	49.25	Rhein, Annie	51.50
Ginsberg, Betsy	48.00	Reynolds, Clara	58.50
Goyt, George	52.00	Russell, Mary	63.00
Gallagher, Ella	15.00	Radican, Patrick	57.38
Garbleman, Morris	16.00	Rolax, Bessie	16.00
Harrigan, Mary	59.00	Stanley, Margaret	104.25
Holtzheimer, Matilda	48.00	Smith, Mellina	101.00
Hass, Abraham	48.00	Schwartzenberg, Theresa	51.50
Hubbs, William D.	48.00	Shea, Elizabeth	48.00
Hart, Elizabeth	40.00	Sullivan, Nora	48.00
Hart, Delia	96.00	Smith, Martha	78.00
Herbert, Luke	48.00	Sheehan, Julia Y.	61.50
Johnson, Bridget	101.25	Scanlon, Michael	25.00
Jacobs, Catherine	53.25	Scharman, Alma	48.00

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Joyce, Mary	48.00	Toohey, Thomas	13.50
Keenan, Bridget	56.75	Wilson, Annie	55.00
Keough, Josephine	48.00	Whalen, Mary	48.00
Kessler, Annie	48.00	Weisman, Mary	48.00
Kinnarney, Mary	25.30		

THE NATIVITY OF FAMILIES OF OUT-DOOR POOR.

United States,	354	Russia,	27	Switzerland,	1
Ireland,	61	Poland,	3	Hungary,	2
Austria,	10	France,	2	Sweden,	3
England,	7	Germany,	7	Scotland,	4
Canada,	4	Roumania,	1		
Italy,	3	Denmark,	1		

LIST OF OUT-DOOR POOR BURIED BY THE CITY.

Bobinski, Bronislaw
Burling, Bernard
Coe, Edward W.
Creppeau, Peter
Carter child
Due, Clarence
Degregario child
DeInocenza, Freddie
Fletcher, Frank
Kenney, Patrick
Kelley, Nellie
LeMontague, A. J.
Murphy, Susie
Martin, Florence M.
Nelson, John
Nye, Albert
Reese, Anabella
Sullivan, James
Stetson, Loretta
Unknown men, 4
Unknown children, 4
Halby, Minnie
Mocher, Frank
Smith, Joseph
Schnitzke, Otilia
Wallen child
Westerman, Marie
Westerman child

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Hartford, April 1, 1906.

To the Honorable Board of Charity Commissioners, City of Hartford:

GENTLEMEN:—

I herewith submit a report of the work of my department for the year ending March 31, 1906.

Number of house visits			570
Number of calls at Dispensary for treatment			1325
Number of cases examined for admission to hospitals			166
Approved	133	Disapproved	33
Number of cases examined at Hospitals for admission			231
Approved	175	Disapproved	56
Number of cases examined for admission to Hospital Wards at Almshouse			447
Approved	435	Disapproved	12
Number of cases treated in Hospital Wards at Almshouse			524
Number of treatments at Almshouse outside of Hospital Wards			2209
Number of cases examined for insanity at Police Station and Homes			73
Approved	65	Disapproved	8

The following is a resume of the Medical, Surgical and Obstetrical cases treated in the Hospital Wards of the Almshouse.

I wish to express my appreciation of Dr. O. G. Wiedman for his conscientious work as interne. I am also indebted to Drs. Johnson, Bunce, Andre, Blanchard, Gill and Edwards for their presence at various operations.

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MEDICAL CASES.

	RECOVERED	IMPROVED	UNIMPROVED	DIED	UNDER TREATMENT APRIL 1, 1906.
Alcoholism—acute	16	..	..	3	1
Apoplexy	..	1	..	3	1
Anæmia	..	..	..	1	..
Addison's Disease	..	1	..	..	..
Aneurysm of Aorta	..	1	..	..	.
Asthma—Bronchial	2	2	..	1	1
Bronchitis—Acute	10	..	..	..	..
Bronchitis—Chronic	..	1	..	..	1
Cholera Infantum	2	..	..	7	..
Cholera Morbus	3	..	..	..	..
Chorea	..	..	..	..	1
Cerebral Embolism	..	..	..	1	..
Convalescent	..	..	..	..	1
Carcinoma of Stomach	..	..	1	3	1
Constipation—Chronic	1	1	..	..	..
Diabetes Mellitus	..	..	..	1	..
Dementia—Senile	..	..	2	..	..
Endocarditis—Acute	1	..	..	..	..
Endocarditis—Chronic	..	3	1	7	2
Erysipelas	4	..	..	..	1
Eczema	2	..	..	..	1
Epilepsy	..	1	..	..	1
General Debility	2	3	..	..	4
Gastralgia	1	..	..	..	..
Gastritis—Acute	3	..	..	..	..
Gastritis—Chronic	1	2	..	..	..
Hemiplegia	..	1	3	1	..
Herpes Zoster	1	..	..	..	1
Hodgkin's Disease	..	1	..	..	..
Influenza	3	..	1	..	..
Lumbago	..	..	1	..	..
Liver-atrophic-cirrhosis	..	..	..	1	..
Liver-hypertrophic-cirrhosis	..	1	..	..	..
Marasmis	..	..	..	2	..
Malaria	6	..	..	..	..
Morphinomania	..	1	..	..	..
Nephritis—acute	3	..	..	..	..
Nephritis—chronic parenchymatous	..	3	2	2	..
Nephritis—chronic interstitial	..	1	..	4	1

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Neuritis	..	..	..	..	1
Pneumonia—croupous	12	..	..	2	1
Pneumonia—catarrhal	5	..	..	1	1
Pneumonia—alcoholic	1	..	..	7	..
Pneumonia—senile	..	..	..	4	2
Parasites—intestinal	1	..	..	..	..
Pleurisy—with effusion	4	..	..	..	3
Paraplegia	..	..	..	..	3
Rheumatism—articular acute	18	..	..	..	..
Rheumatism—chronic	..	5	..	..	2
Scabies	4	..	..	..	..
Scurvy	1	..	..	..	..
Sciatica	1	..	..	..	..
Stenosis of Oesophagus	..	..	..	..	1
Tuberculosis of lungs	..	8	9	12	..
Tuberculosis of larynx	..	..	1	..	..
Tuberculosis of peritoneum	..	..	..	1	..
Tuberculosis—acute miliary	..	..	..	2	..
Tonsilitis	3	..	..	..	..
Typhoid Fever	9	..	2	1	..
Uraemia	3	..	..	..	..
Total,	123	37	23	67	32

DISEASES OF EYE.

Conjunctivitis—acute	3	..	..	..	..
Conjunctivitis—gonorrheal	1	..	..	..	..
Iritis	2	..	..	..	..
Iritis and Keratitis	1	..	..	..	..
Enucleation of eye	1	..	..	..	..
Total,	131	37	23	67	32
Total,					290

OBSTETRICS.

Abortion—threatened	1	..	..	..	..
Abortion—complete	1	..	..	..	..
Ectopic Gestation	1	..	..	..	..
Hyperemesis Gravidarum	2	..	..	..	..
Miscarriage	2	..	..	..	1
Phlegmasia Alba Dolens	1	..	..	..	..
Pregnancy	20	..	..	..	2
Total,	28	..	..	..	3
Total,					31

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GYNAECOLOGICAL.

Carcinoma Uterus	..	..	2	..	..
Cyst of Ovary	..	..	..	1	..
Endometritis	1	1	..	..	..
Fibroid of Uterus	..	..	1	..	..
Lacerated Perineum	1	..	..	..	..
Pyosalpinx	2	..	..	..	..
Pelvic Abscess	1	..	..	..	..
Retroflexion of Uterus	2	..	..	..	..
Salpingitis—acute	1	1	..	..	..
Sarcoma of Uterus	..	..	1	..	..
Vulvo—vaginitis	1	..	..	..	..
Total,	9	2	4	1	..
Total,					337

OPERATIONS.

	CASES	DIED	ETHER	CHLOROFORM	ETHYL CHLORIDE	COCAINE
Amputation of Toe	1	..	1	..	..	..
Alexander-Adams operation	1	..	1	..	..	..
Appendcectomy with drainage	3	..	3	..	..	..
Appendcectomy without drainage	11	..	11	..	..	..
Circumcision	4	..	4	..	..	..
Cholecystectomy with drainage	1	1	1	..	..	..
Curettment for Adenoids	1	..	..	1	..	..
Curettment for Endometritis	1	..	1	..	..	..
Currettment for Osteo-Periostitis	3	..	3	..	..	..
Curettment for retained Secundies	2	..	2	..	..	..
Enucleation of eye	1	..	1	..	..	..
Excision of Epithelioma	1	..	..	..	..	1
Excision of Lipoma	1	..	..	..	..	1
Excision of Sarcoma	1	..	1	..	..	..
Herniotomy—umbilical	1	..	1	..	..	..
Herniotomy—inguinal	2	..	2	..	..	..
Hysterectomy	1	1	1	..	..	..
Incision for abscess of foot	1	..	..	..	1	..
Incision for abscess of groin	1	..	..	..	1	..
Incision for abscess of back	1	..	..	..	1	..
Incision for abscess of neck	1	..	..	..	1	..
Incision for abscess of face	1	..	..	..	1	..

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Laparotomy for traumatic perforation of bowel	1	1	1	..	..	..
Open operation for fractured Femur	1	..	1	..	..	..
Perineorrhaphy	1	..	1	..	..	..
Re-fracture and re-setting Ulna	1	..	1	..	..	..
Re-fracture and re-setting Radius	1	..	1	..	..	..
Salpingectomy	3	..	3	..	..	..
Salpingo-cophorectomy	3	..	3	..	..	..
Skin grafting	1	..	1	..	..	..
Tonsillectomy	4	..	4	..	..	..
Ventral suspension	1	..	1	..	..	..
Total,	58	3	48	1	7	2

SURGICAL.

	RECOVERED	IMPROVED	UNIMPROVED	DIED	UNDER TREATMENT APRIL 1, 1906
Abscess of leg	4	..	..	..	..
Abscess of groin	1	..	..	..	..
Abscess of back	1	..	..	..	..
Abscess of jaw	1	..	..	..	..
Abscess of foot	1	..	..	..	..
Abscess of face	1	..	..	..	..
Abscess—appendiceal	1	..	..	..	..
Abscess—rectal	1	..	..	..	..
Appendicitis—catarrhal acute	6	..	..	..	1
Appendicitis—relapsing chronic	4	..	2	..	..
Appendicitis—gangrenous	1	..	..	1	..
Bunion	1	..	..	..	1
Bursitis—elbow	1	..	..	..	..
Bursitis—knee	1	..	..	..	..
Contusion of scalp	1	..	..	..	..
Contusion of nose	3	..	..	..	..
Contusion of sternum	2	..	..	..	..
Contusion of thigh	1	..	..	..	..
Carcinoma of breast	..	..	..	..	1
Carcinoma of penis	..	1	..	..	..
Cancrum Oris	..	..	..	1	..
Cholecystitis—suppurative acute	..	..	..	1	..
Cystitis—acute	1	..	..	..	..
Cystitis—tubercular	..	1	..	..	..
Elephantiasis	..	..	1	..	..
Enuresis	1	..	..	..	..

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Epithelioma—shoulder	1	..	..	..	..
Fracture of nose	1	..	..	..	..
Fracture of jaw	2	..	..	..	..
Fracture of clavicle	2	..	..	..	..
Fracture of scapula	1	..	..	..	..
Fracture of humerus	3	..	..	..	..
Fracture of ulna	1	..	..	..	1
Fracture of radius and ulna	1	..	..	..	..
Fracture of elbow	1	..	..	..	..
Fracture of finger	1	..	..	..	..
Fracture of ribs	4	..	..	..	1
Fracture of coccyx	..	1	..	..	..
Fracture of femur	4	1	..	..	1
Fracture of patella	1	..	..	..	..
Fracture of tibia	7	..	..	..	1
Fracture of fibula	6	..	..	..	..
Fracture of tibia and fibula	2	..	..	..	1
Fracture of bones of foot	2	..	..	..	..
Fracture of colles	3	..	..	..	..
Floating Kidney	1	..	1	..	..
Gangrene of foot	..	1	..	..	..
Gonorrhea	4	..	..	..	1
Gonorrheal rheumatism	2	2	..	..	..
Hernia—inguinal	2	..	..	..	..
Hernia—umbilical	1	..	..	..	..
Hypertrophy of tonsils	5	..	..	..	..
Hypertrophy of prostate	..	1	..	..	..
Hydrocele	1	..	..	..	..
Intestinal Adhesions	..	1	..	..	..
Orchitis	3	..	..	..	..
Periostitis	2	..	..	..	..
Perforation of bowel—traumatic	..	..	..	1	..
Phimosis	3	..	..	..	..
Paraphimosis	1	..	..	..	..
Sarcoma of Inguinal Glands	1	..	..	..	..
Sprained shoulder	2	..	..	..	..
Sprained ankle	3	..	..	..	1
Synovitis of Knee	2	..	..	..	..
Syphilis	..	7	..	..	..
Tuberculosis of spine	1	..	..	..	1
Tuberculosis of hip	..	..	..	1	2
Tubercular Epiphysitis	1	..	..	..	..
Torticollis	..	1	1	..	..
Ulcer of face	1	..	..	..	..
Ulcer of finger	2	..	..	..	..

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Ulcer of leg	15	..	..	..	..
Varicose veins	..	3	..	..	..
Visceroptosis	..	..	1	..	..
Wound of scalp	6	..	..	..	..
Total,	136	20	6	5	15
Total,					182

Respectfully submitted,

HARRY C. CLIFTON, M. D.,
City Physician.

ALMSHOUSE.

The total amount disbursed on this account was $50,218.97, of which amount $6,144.39 was expended in the nature of permanent improvements, leaving a balance of $44,074.58 for the current expense of the year, as against $39,957.32 for the previous year.

The daily average number of inmates was 291, as against 290 the previous year, an increase of 1 daily. The cost of their maintenance per capita was 41½ cents per day, as against 37¾ cents per day for the preceding year.

The greatest number of inmates in the Almhouse at any one time was 382, January 11, 1906, and the lowest number 214, June 8, 1905. 94 persons have died at the Almshouse during the past year, of which number 58 were buried by their friends or relatives.

On April 1, 1905, there remained at the Almshouse 313 inmates. 900 permits were issued for admission to the Almshouse, as against 693 for the previous year. There were discharged during the year 766 inmates and 94 died, a total of 860. There were altogether 965 different persons cared for at the Almshouse during the year. There remained in the Almshous April 1, 1906, 353 inmates as follows: 237 males and 116 females.

A total of 524 cases were treated in the Hospital wards during the year. The daily average number in said wards was 56: 40 males, 16 females.

We desire to acknowledge our indebtedness to the mem-

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bers of St. Patrick's Church Choir, under the direction of Mr. David S. Moran; and the members of the Al'Fenners Minstrels, for the pleasant entertainments that were given at the Almshouse for the benefit of inmates this past winter, which were much enjoyed by them.

We desire also to thank the Friendly Visitors of the Union for Home Work; Mrs. Edwin Strong, Mrs. Wm. BroSmith, Mrs. H. G. Bissell and Mr. Mortiz Weider, for the Christmas gifts furnished to the children and other inmates of the Alms-

The trade or occupation of the male inmates was as follows:

Laborers	332	Seamen	2	Gardeners	2
Machinists	22	Waiters	5	Tinker	1
Painters	19	Clerks	5	Furniture dealer	1
Carpenters	15	Bookbinders	2	Astronomer	1
Teamsters	25	Engineers	7	Car Inspector	1
Hostlers	9	Wood finisher	1	Bartenders	2
Bakers	3	Brickmaker	4	Moulders	3
Lathers	3	Farmer	5	Pedlers	3
Blacksmiths	2	Masons	10	Metal Trimmer	1
Watchmen	2	Pressman	1	Nurses	2
Rigger	1	Iron workers	3	Filer	1
Switchman	1	Polishers	2	Drug clerk	1
Cigarmakers	2	Tailors	5	Bookkeeper	1
Shoe cutter	1	Marble cutter	1	Cook	1
Brakeman	1	Merchant	1	Watchmakers	3
Diesinker	1	Stone cutters	3	Tinsmiths	2
Carder	1	Burnisher	1	Paper hanger	1
Roofers	3	Telegrapher	1	Plumber	1
Collarmakers	2	Firemen	3	Gunsmith	1
Printers	5	Barber	1	Bridge builder	1
Carpet layer	1	Platers	2	Packer	1
Canvasser	1	Butchers	4	Harness makers	3
Upholsterers	3	Tool makers	2		

AGE CLASSIFICATION OF INMATES.

MALES.		FEMALES.	
Minors	81	Minors	92
21 to 30	69	21 to 30	58
30 to 40	105	30 to 40	54
40 to 50	112	40 to 50	20

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50 to 60	121	50 to 60	33
60 to 70	96	60 to 70	32
70 to 80	41	70 to 80	28
80 to 90	6	80 to 90	8
	631		334

The nativity of those admitted was as follows:

United States	454	Canada	19	Poland	9
Ireland	226	England	30	Armenia	1
Russia	41	Scotland	21	West Indies	1
Italy	28	Roumania	5	Belgium	1
Germany	29	Sweden	14	Denmark	1
Austria	18	France	2		

HOSPITALS AND ASYLUMS.

There have been 313 insane and imbecile patients cared for during the year outside of the Almshouse. Of this number 280 remain on expense April 1, 1906, as follows: Connecticut Hospital for Insane, Middletown, Conn., 243; Connecticut School for Imbeciles, Lakeville, Conn., 27; Retreat for Insane, Hartford, 10. There are also 10 insane or idiotic inmates at the Almshouse, making a total of 290 on expense April 1, 1906. There were 280 on expense April 1, 1905, which shows a gain of 10 during the past year.

On April 1, 1905, there remained on expense in the Hartford Hospital 33 and at St. Francis Hospital 8. There have been during the year 239 persons admitted to the Hartford Hospital and 80 at St. Francis, a total of 319 persons, that with the 41 on hand April 1, makes a total of 360 persons in all who have received treatment during the year at the Hartford and St. Francis Hospitals.

There remain on expense April 1, 1906 at Hartford Hospital 33 and St. Francis 3, a total of 36. Under the above we show an expenditure for the year of $40,998.75, as against $51,-105.44 for the preceding year.

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CHILDREN.

We have cared for 37 children during the year outside of the Almshouse, as follows: Hartford Orphan Asylum, 5; St. Peter's Church Corp., 11; St. Patrick's Church Corp., 8; St. Joseph's Church Corp., 5; St. Augustine's Church Corp., 1; Convent of the Good Shephard, 1; Home for Incurables, Newington, 6; only two of these children were foreign born. No children have been boarded in private families. There remain on expense April 1, 1906, at the various Asylums 31 children, a decrease of 3 from the number on hand April 1, 1905. There are also 27 children at the Almshouse April 1, as against 19 on hand April 1, 1905. The total cost for children in the various Asylums was $2,494.33, which is a decrease of $116.67 in this account over the preceding year. The average rate paid per week for board of children is $1.50.

HARTFORD AND ST. FRANCIS HOSPITALS.

The following table is given of the number admitted and discharged, and the number who have died in each month.

	Admitted.		Discharged.		Died.	
	Male	Female	Male	Female	Male	Female
April,	22	18	19	16	8	1
May,	19	14	14	16	4	3
June,	17	5	20	12	3	0
July,	14	10	14	9	2	0
August,	7	5	12	6	0	0
September,	15	8	13	8	2	0
October,	34	10	11	5	4	0
November,	15	12	15	6	3	2
December,	16	13	17	7	4	1
January,	20	10	13	11	6	2
February,	12	3	10	5	1	2
March,	16	4	12	3	2	0
Total,	207	112—319	170	104—274	39	11—50

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The nativity of the patients admitted to the Hospitals was as follows:

United States	161	Russia	34	Ireland	58
Italy	11	Canada	8	England	9
Sweden	5	Denmark	2	Hungary	3
Scotland	8	Germany	5	Austria	8
Roumania	4	Poland	2	Finland	1

HOSPITALS.

List of Inmates of Hartford Hospital whose board amounted to twelve dollars ($12.00) or more.

Angelo, Frank	$ 82.00	Kalechman, Harris	42.50
Arbano, Tony	16.00	Kalechman, Nathan	83.00
Avedisian, Nezley	60.00	Kerwin, James	90.00
Annello, Peter	17.00	Kaprowski, Franceska	13.00
Anderson, Agnes	84.00	King, Annie	35.00
Borello, Nicholo	365.00	Kunzelman, Christopher	16.00
Brown, Nellie	19.00	Langton, Nellie	19.00
Baranowitz, Solomon	58.00	Lee, Michael	21.00
Burt, Elizabeth	28.00	LaPlant, Theodore	56.00
Brown, John	14.00	Looney, Nellie	80.00
Bordley, Lulu	22.00	Lamontagne, Arthur	40.00
Blanchard, Fred O.	14.00	Lynch, Mary	30.00
Bassett, Phileas	19.00	Lang, Elizabeth	15.00
Best, Edith	20.00	Lerner, Sarah	123.00
Berger, Annie	20.00	Lappen, Dora	34.00
Barber, Richard	54.00	Levin, Jacob	35.00
Bugaw, Frank G.	34.00	Lee, Charles R.	17.00
Brody, Henry J.	15.00	Luis, Antoine	34.00
Blonin, Joseph P.	28.00	Luten, Samuel	41.00
Benjamin, Esther	26.80	Nelson, Hattie	15.00
Bazan, Kate	17.00	Newsham, Cecil	240.50
Brumbaum, Francis F.	19.00	Namowitz, Michael	36.00
Blickstein, Fannie	19.00	O'Flaherty, Patrick	90.00
Brown, James	29.00	Peterson, Edward	83.01
Bryant, John R.	90.00	Peterson, Mary	15.00
Bolen, Michael	24.00	Perzante, Joseph	24.00
Cohen, Harry	39.00	Pizzirusso, Rosa	20.00
Cassalla, Carmina	77.00	Parker, Ruth	27.00
Carlisle, Margaret	19.00	Pattenaud, Ella	74.00

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Chamagochian, Annie	18.00	Roberts, James B.	82.00
Cope, George	23.00	Riccio, Antonio	18.00
Christie, George W.	16.00	Powers, Clarence M.	27.00
Crittendon, Bertha	43.00	Raymond, Robert R.	20.00
Cheetham, Samuel N.	181.00	Rohowsky, Joseph	17.00
Coyne, James E.	12.00	Raphael, Jessie	53.00
Charbouneau, Annie	151.00	Smith, Carrie T.	21.00
Colasurdo, Michael	179.00	Simons, Ella	68.00
Cunningham, Sarah	24.00	Schershisky, Myer	14.00
Cushman, Alice	20.00	Shea, Henry F.	19.00
Cushman, Olive	20.00	Scheitler, Staphnie	14.00
Cushman, Arthur L.	17.00	Stowell, Willard F.	19.00
Connolly, Joseph B.	62.00	Schwartzman, Sarah	62.00
Cipolla, Josephine	52.00	Spellman, Sarah	14.00
Chase, Charles F.	17.00	Suppove, Ida	149.00
Cohen, Morris	38.00	Sandallo, Cesira	15.00
Cunningham, Thomas,	26.00	Sampson, Charles E.	26.00
Cohen, Nellie	15.00	Stickler, Sigmond	95.00
Crossley, John	28.00	Salotza, Antonio	15.00
Camp, Annie	15.00	Sweeney, Rubin	12.00
Dillon, Elizabeth	60.00	Sweeney, David	12.00
Donahue, Eleanor T.	59.00	Mahon, Mary A.	59.00
Diorio, Susie	19.00	Marso, Annie	18.00
Damato, Marie	29.00	Murphy, Catherine	22.00
Damato, Joseph	51.00	Montgomery, James	29.00
Daly, Jennie	26.00	Marousky, George	25.00
Delaney, Mary K.	18.00	Murphy, James	30.00
Delanoy, Elmer,	85.00	Miller, Louis	16.00
Demaio, Angelo	13.00	Murray, Rena	22.00
Dinallo, Carolina	67.00	Meyer, Robert F.	30.00
Doran, John	28.00	Mallender, Mary E.	28.80
Dorfman, Samuel	17.00	Miller, Harvey B.	28.00
Day, Marguerite	12.00	Moriarty, James	21.00
Daley, Robert	18.00	Murphy, Charles H.	40.00
Dickinson, Lyda	28.00	Manikis, John	25.00
Drapel, Sarah	32.00	Moran, James F.	48.00
Drapel, Pauline	57.00	Morrison, Harold G.	26.00
Deering, Essie	20.00	Mauley, Charles R.	64.00
Davidson, Sarah	29.00	Moison, George	25.00
Ellovich, Clara	15.00	Morgan, John	40.00
Fishman, Minnie	30.00	Mondano, Marie	24.00
Franzen, Carston	20.00	Missal, Celia	40.00
Fusco, James	81.00	Murphy, May	30.00
Fuscz, Florence	40.00	McKnight, Robert W.	60.00
Friedman, Samuel	47.80	McCormick, Leontine	95.00

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McAuliffe, Rachael	59.00	Fahey, Margaret	57.80
Finkelstein, Ida	25.00	McCaffrey, Joseph	14.00
Fiminella, Scanio	35.00	McInnis, Norman	90.00
Fierberg, Louis	19.00	McGee, Edward N.	34.00
Fairclough, Joseph	53.00	McGilvray, James	17.00
Fowler, Viola	79.00	McKeough, Patrick	16.00
Flannery, William P.	13.00	McGrath, John J.	13.00
Gushue, Percy	117.00	McKenna, Nora	23.00
Gold, Edith	63.00	McCarthy, Daniel	30.00
Geary, John	22.00	McIntyre, Helen	86.00
Ginsburg, Ida	24.00	Slonim, Isaac	67.00
Gushue, Jennie	16.00	Somers, John	12.00
Ginsberg, Sophie F.	46.00	Sullivan, Mary	21.00
Grannis, Clara	39.00	Solomonick, Michael	34.00
Gross, Mary	18.00	Silver, Milton	16.00
Guinan, James	28.00	Schlegel, Max	16.00
Getz, Edith	13.00	Starr, Edward J.	25.00
Geer, William A.	82.00	Starr, Mildred I.	25.00
Goldenthal, Michael	19.00	Snyder, Minnie	77.00
Ginsberg, Sophie	89.00	Schaperow, Don	14.00
Holehouse, Abraham	35.00	Simcovitz, Annie	25.00
Hiltgen, John	23.00	Slattery, Dennis,	48.00
Hiltgen, Elsie	17.00	Sour, Michael	28.00
Hiltgen, Charles	22.00	Tinjck, Annie	14.00
Harding, Thomas	24.00	Twilley, Benjamin F.	19.00
Hines, John	14.00	Vance, Edith	19.00
Hallin, Victor	44.00	Vantour, Catherine	19.00
Higgins, Edward W.	26.00	Watton, John	19.00
Holstein, Antonio	27.00	Wilbur, Frederick A.	64.00
Hills, Bertha	12.00	Ward, Theresa J.	65.00
Hogan, John A.	20.00	Willie, Tessie	37.00
Hanson, Martin	79.00	Weisenberg, Jacob	12.00
Henster, Frederick	26.00	Wallace, Michael	36.00
Johnson, Luck	23.50	Weinstein, Lida	34.00
Johnson, Clara	20.00	Wolf, Robert	82.00
Jacobs, Horatio	22.00	Wyman, William E.	14.00
Kackis, Bladislaws	12.00	Welch, James	105.00
Johnson, Lucy	27.00	Welch, John	90.00
Johnson, Susan	46.00	Whalen, John	45.00
Johnson, Amelia	31.00	Warner, Charles	23.00
Kelly, Jennie	16.00	Winters, Mary A.	43.00
Kroopneck, Jennie	40.00	Williams, Rachel	15.00
Kelly, Daisy	15.00	Zeidner, Jacob	15.00
Knodsen, Anthony	29.00	Zina, George	18.00
Kugler, Theresa	37.00	Zibbidea, Philomena	21.00

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Listof Inmates of St. Francis' Hospital whose board amounted to twelve dollars ($12.00) or more.

Ambrosio, Josephine	$ 15.44	Jordan, Michael	$ 42.00
Brady, Marie	13.71	Jordan, Patrick	23.30
Beidleman, Leon	29.16	Kerrigan, Thomas	139.71
Beauliew, Exilma	24.86	King, Sadie	26.57
Barrett, Charles H.	34.30	Martorelli, Alphonse	62.57
Brady, John	40.30	Mahoney, Edward J.	23.00
Bowman, Frank R.	20.58	Mee, Mary A.	45.42
Cartellano, Annie	29.14	Manning, Daniel,	12.86
Cronin, Catherine	48.00	Murtuli, John	42.00
Carberry, Bernard	48.86	McCarville, Thomas	17.99
Curley, Bernard P.	37.74	Neilsen, Jens	21.43
Connelly, Charlotte	16.28	Nelson, Betty	51.43
Ganning, Stephen F.	48.00	Prout, John A.	12.86
Coughlin, Catherine	22.30	Ryan, Patrick J.	152.56
Cusick, Annie	19.72	Sullivan, Johanna	37.71
Dooley. Margaret	24.86	Scanlon, Michael	12.86
Doty, George	43.70	Spencer, Rose	21,42
Doty, Margaret	77.99	Sheehan, Daniel F.	21.43
Donahue, Nora	25.71	Smith, William J.	12.86
Furrey, Bridget	18.86	Sanford, Albert D.	36.00
Greaney, John	12.00	Scanlon, Michael	18.00
Ginsberg, Annie	25.72	Sullivan, John J.	12.86
Granata, Vincenzina	42.00	White, Sarah A.	25.71
Healey, Thomas M.	52.28	Weir, Katie	105.42
Horan, John	30.00	Welch, John	85.71
Hoban, John	12.00	Wasson, Charles B.	77.14
Horan, Matthew	16.28	Wilson, William	39.43

Names of city patients who died in Hartford Hospital:

Bugaw, Frank G.	Mahoney, John
Bray, James C.	Mauley, Charles R.
Bolen, Michael	Morgan, John
Byrd, Maria	Reidy, John
Cahill, Dennis	Rubinstein, Joseph
Campbell, Lillian	Rice, George M.
Crossley, John	Romonowsky, Frank
Cushman, Arthur	Sullivan, James
Cushman, William	Stickler, Sigmund
Derring, Elsie	Sergason, Michael
Donahue, John F.	Smith, Robert

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Fox, Samuel
Guinan, James
Guerra, Peter
Goldstein, Barney
Gelinus, Mildred
Higgins, Edward W.
Horowitz, Samuel
Joos, Adolph
Kunzleman, Christopher J.
Lemon, Ida
Sour, Michael
Synder, Minnie
Sandberg, Minnie
Sandberg, Jennie
Ulitsky, Frank
Vantour, Catherine
Welch, William F.
Welch, John
Young, Raymond

Names of patients who died in St. Francis Hospital:

Buckley, William F.
Burke, Patrick
Carson, Joseph F.
Cooper, Emma
Daley, Winnifred
Hoban, John J.
McCarville, Thomas
McIntyre, John
Scanlon, Michael
Weir, Katie

A total of 51 deaths.
Of this number 6 were buried by the city.

INSANE.

There have been three hundred and thirteen insane persons cared for in the various asylums outside of the Almshouse, as follows:

	Males.	Females.	Total.
Connecticut ospital, Middletown, Conn.,	130	144	274
Retreat for Insane, Hartford, Conn.,	1	7	8
School for Imbeciles, Lakeville, Conn.,	21	10	31
Total,	152	161	313

Of this number 280 remain on expense April 1, 1906.

Their nativity was divided as follows:

United States	156	Russia	12
Ireland	90	Sweden	9
Germany	18	Austria	4
England	6	Italy	7

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Denmark	2	Canada	3
Roumania	1	Poland	2
Nova Scotia	1	Bohemia	1
Switzerland	1		

INMATES OF THE CONNECTICUT HOSPITAL FOR INSANE.

Anderson, Lars	$104.29	Fletcher, William V.	49.15
Billings, John H.	104.29	Flynn, John	8.00
Bumstead, John	104.29	Foley, Patrick	12.00
Belden, Fannie	104.29	Francolini, Prospero	8.00
Blumenthal, Joseph	104.29	Graesser, Kate	104.29
Broderick, Mary A.	104.29	Gleason, Mary	104.29
Barry, Margaret	104.29	Golden, Bernard	104.29
Breen, Rose	104.29	Garvin, Jennie	104.29
Bow, Julia	104.29	Goff, Kate	104.29
Bartholdi, Rose	104.29	Galvin, Nora	104.29
Bzdon, Annie	104.29	Gunning, Ellen	104.29
Bradley, William	104.29	Glanz, Myer	32.00
Barnum, Carrie M.	100.86	Galvin, John	50.00
Bacharach, Dela	104.29	Greenbaum, Bernard	104.29
Brenan, Thomas	104.29	Gorman, Kate	104.29
Berry, Mary E.	104.29	Garrity, Bridget E.	87.72
Bliss, Thomas	37.43	Gagliardi, Rokina	24.86
Beauchamp, Joseph	74.01	Guinan, Mattie	21.71
Brenan, Michael J.	53.44	Holmes, Henry	104.29
Buckley, Rosella	47.15	Hanlon, Mary	78.00
Billups, Hattie	43.72	Hackett, Alice	26.57.
Curran, Mary 1st	104.29	Haynes, John	104.29
Curran, Mary 2d	104.29	Hayden, Patrick	104.29
Clary, Mary	104.29	Hood, Jane	104.29
Curry, William	104.29	Hawkins, Frank	104.29
Callahan, John	104.29	Hills, Mertis S.	104.29
Cavanaugh, Ellen	104.29	Henson, Samuel	104.29
Coffey, Bridget	104.29	Hamilton, Elizabeth	104.29
Cooper, Fredericka	104.29	Holz, Edward	104.29
Claffey, Thomas	104.29	Hunt, Bridget A.	104.29
Conliffe, John T.	104.29	Holden, William	104.29
Christenson, Samuel	104.29	Hurley, Michael	104.29
Condron, Mary	104.29	Hanson, Annie	104.29
Copperberg, Clara	104.29	Hille, H. Oscar	104.29
Cox, Elizabeth 1st,	$104.29	Hale, Mary A.	30.28
Curtin, Johanna	104.29	Harris, Theodore M.	104.29
Cashman, Kate	104.29	Horan, Sarah	104.29

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Connorton, James	104.29	Hanna, Mary	104.29
Cosgrove, Helen	104.29	Haas, Selma	104.29
Clancy, Mary	104.29	Herbst, W. Edward	104.29
Castle, William G.	104.29	Hyland, Mary	104.29
Carlo, Marie	104.29	Henn, William	104.29
Curran, Margaret	104.29	Horan, Edward	44.86
Cowles, Helen	104.29	Halloran, Mary	24.68
Crowley, Rose	104.29	Hart, James E.	8.00
Carey, Ellen	104.29	Johnson, Huldah	104.29
Case, James H.	104.29	Johnson, Ida	99.14
Connors, Thomas	104.29	Jackamovitz, Polly	12.71
Curcio, John M.	84.87	Kenyon, Addie F.	104.29
Cohen, Harry	8.00	Knapp, Anna	104.29
Corron, Joseph	69.72	Kelly, Mary 3d	104.29
Callahan, Kate	12.86	Keeney, Aaron J.	104.29
Clark, Ellen	35.43	Klockler, Lena	104.29
Devlin, Alice	104.29	Kelleher, Patrick	104.29
Duggan, Julia	104.29	Kreuzer, Geo.	104.29
Duff, Daniel	104.29	Kemmerer, Amelia	104.29
Deady, Mary	104.29	Kraus, David	104.29
Dooley, Michael	104.29	Kelly, Julia	104.29
Dailey, Patrick	104.29	Kusher, Isaac	104.29
Doe, John	104.29	Katz, Leah	104.29
Donovan, Margaret	104.29	Knickerbocker, Geo. H.	104.29
Dailey, Thomas	104.29	Kennedy, Margaret	104.29
Dankers, Barbara	104.29	Kilbourne, Frank	104.29
Davis, Perry	104.29	Kelly, Richard	50.58
Dunn, Bernard	104.29	Ludwig, Mary	104.29
Dowling, Ann	105.54	Loughman, Sarah	104.29
Daley, James P.	104.29	Lennihan, Morris	104.29
Dunlap, Isabella	104.29	Lennox, Kate	104.29
Daniels, Frederick	104.29	Lutz, Maria	104.29
Dolin, Lawrence	104.29	Lavin, Bridget	104.29
Doody, Mary J.	59.15	Lee, John F.	104.29
Drew, William	14.57	Lewis, Mary	104.29
Devlin, Lily P.	3.14	Lee, Angelo	104.29
Egan, Catherine	104.29	Lashaway, Joseph	104.29
Englehardt, Theresa	104.29	Morgan, Ann	104.29
Erickson, Minnie	104.29	Maher, Mary	104.29
Engler, Vincent	104.29	Moody, Minnie S.	104.29
Ewins, Harry	104.29	Marckham, Irwin C.	104.29
Fitzgerald, John	104.29	Muldoon, Joseph	104.29
Fitzgerald, Patrick	104.29	Mack, Mary	95.82
Finnerty, Mary	104.29	Moriarty, Patrick	104.29
Finneran, Margaret	73.14	Maldeck, Otelie	104.29

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Farrell, Elizabeth	104.29
Fultner, Adolph	104.29
Falvey, Margaret	104.29
Fedka, Helena	26.57
Farrell, Mary A. 2d	24.29
Farris, Alice M.	52.00
Faign, Ann	80.87
Fitzgerald, Joseph J.	48.86
Murray, Hugh J.	104.29
Maasen, Mary	104.29
Miller, Mary	104.29
Meyer. Philip	104.29
Mathiew, Albert	15.71
Moore, Emory C.	29.82
Martell, Jane	33.82
Malone, James D.	22.86
Milano, Antonio	10.57
McAdams, John	104.29
McNamara, Bridget	104.29
McKernan, Thomas	104.29
McLaughlin, Sarah	104.29
McCarthy, Kate	104.29
McAuliffe, Mary	104.29
McGrath, Alice	104.29
McCarthy, Mary	104.29
McNerney, Anna L.	104.29
McDonough, Joseph	104.29
McCabe, Thomas	78.00
McNerney, Fred	63.43
McGrath, Michael J.	49.15
McKee, Robert	27.00
Newport, August	104.29
Northwood, Geo.	104.29
Nordfass, Anna	104.29
Newsham, William	104.29
Nagle, Helen	104.29
O'Neil, Jerry	104.29
O'Day, Mary	104.29
O'Neil, Catherine	104.29
Prindewald, John	104.29
Petroff, John B.	104.29
Parkhurst, Clayton E.	104.29
Pierce, Caroline	24.29
Purcell, Pierce	104.29
Pease, Ansel L.	12.86
Mulraine, Bridget	104.29
Maloney, Annie	104.29
Murphy, Patrick 2d	104.29
Mullen, Catherine	104.29
Maloney, Sarah	104.29
Muldoon, Margaret	104.29
Menze, Veronica	104.29
Mosely, Gilbert G.	104.29
Radigan, Annie	104.29
Rafferty, Margaret	61.42
Reynolds, Mary	80.87
Redigan, Annie M.	30.86
Stapleton, Ann	104.29
Sweeney, Ann	104.29
Stapleton, Ann. 2d	104.29
Sloan, John F.	104.29
Swain, Charles H.	104.29
Swanson, Maria	104.29
Sevanson, Mary	104.29
St. John, Mary	104.29
Soraka, Max	104.29
Sherwood, Thos.	104.29
Smith, Clara T.	104.29
Selitsky, Martin	104.29
Stapleton, Matthew J.	104.29
Sears, Mary	104.29
Strauss, Amos	104.29
Slater, Morris P.	104.29
Sullivan, Michael	104.29
Shearer, Pocahontas	43.14
Shepard, Walter W.	57.20
Seymour, Albert H.	104.29
Seiforth, Amelia	104.29
Stein, Dora	104.29
Stickler, Solomon	104.29
Seymour, Julius L.	11.71
Schmidt, William	104.29
Smith, Charles H.	104.29
" Joseph	
Terk, Armand	104.29
Towne, Joseph	87.54
Tatem, Frank	21.71
Whalen. Mary	104.29
Woodworth, Emma	104.29
Williams, Louis H.	104.29

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Quigley, Ann	104.29	White, David A.	104.29
Quinn, James P.	104.29	Wizorick, Valentine	104.29
Quinlan, William J.	22.86	Work, Abby E.	104.29
Ryan, James	104.29	Wheelock, Adelaide S.	104.29
Ryan, Ellen F.	104.29	Walker, Laura	104.29
Ryan, Bridget	104.29	Wyman, Simon	69.72
Russell, Nellie	104.29	Wall, Dennis W.	39.15
Roberts, Charles G.	104.29	Young, Mary	16.29
Roach, Catherine	104.29		

INMATES OF SCHOOL FOR IMBECILES, LAKEVILLE, CONN.

Buckley, Andred	100.00	Hyatt, Clarence E.	68.60
Byles, Florence	101.12	Krull, Royal	109.00
Cantervitz, Louis	114.62	Kuehnold, Harry	47.68
Covello, Lena	104.37	Lettieri, Philomena	40.02
Costello, Edward	112.70	Miller, Henry	57.90
Crowley, James	102.83	Marcus, Morris	109.85
Dunham, Richard	104.25	O'Brien, William	109.85
Dollinger, Matilda	25.94	Potter, Fannie	100.00
Dougherty, Edward	103.75	Rourke, Edward	106.95
Fallon, Ellen	103.84	Schlatter, Ada	109.15
Guerra, Frank	21.72	Stickler, Michael	108.55
Griffith, Clara	107.09	Saunders, Clark F.	87.68
Hubbard, Bessie	118.89	Schneider, Charles	108.90
Harlem, Joseph	103.84	Yacovone, Nicholas	108.70
Hoxie, Edna	101.25	Zibbideo, Columba	103.75
Healey, James	107.65		

INMATES OF RETREAT FOR INSANE.

Ball, Matilda C.	$104.00	Portlock, Eliza J.	104.00
Callender, Ralph, Jr.	104.00	Root, Sophia A.	104.00
Gagliardi, Rokina	162.29	Sisson, Carrie H.	104.00
Gallahawk, Claire	24.00	Tanner, Ida L.	104.00

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DISBURSEMENTS.

Following we append a statement showing in detail the disbursements of the various accounts, together with a summary of the same:

ALMHOUSE.

Remodeling ward	$ 545.46
Mason work, repairs and alterations	358.48
New stairway	387.60
Metal Ceilings	154.00
Awnings	271.85
Repairs on roofs	131.75
Doors, sash and windows	42.00
New surrey and doctor's carriage	385.00
Electric wiring and fixtures	718.69
Plumbing and steam fitting supplies	1,254.81
Lumber	635.44
Paints, oils, brushes and supplies	565.30
Hardware, tools and supplies	288.69
Lime, cement, mops, pails and brooms	86.30
Sheet iron, tin and metal supplies	52.76
Furniture supplies and repairs	1,401.82
Blankets and pillows	297.48
Crockery and table ware	161.48
Tinware and stove supplies	140.68
Washing materials, soap and tallow	576.48
Medicines and medical supplies	2,759 95
Rubber Goods	291.75
Disinfectants	89 95
Burial Expenses	465 00
Coal	5,150.67
Insurance Account	538.36

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Meat and Fish	6,290.60
Provisions, food supplies	6,087.52
Bread	2,451.36
Milk	1,975.35
Tobacco, snuff and pipes	511.94
Men's clothing, hats and supplies	871.60
Dry goods, women's clothing and notions	2,109.14
Shoes, slippers and supplies	513.35
Water	835.46
Taxes	19.55
Telephone rent	71.35
Electric Lighting	1,112.24
Feed for stock	381.98
Straw for bedding	54.74
Blacksmith work and hoseshoeing	243.70
Repairs on teams	111.90
Harness supplies and repairs	100.60
Garden seed, plants and shrubs	93.12
Printing and stationery	169.19
Newspapers	23.75
Spectacles	18.80
Sundries Account	199.28
Salary of Steward	600.00
" Supervisor	600.00
" Engineer	780.00
" Night Engineer and Watchman	600.00
" Inmates' Cook	360.00
" Matron	355.00
" Barnman	300.00
" Officers' Cook	357.00
" Laundress	207.00
" Pharmacist and Hospital Steward	750.00

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"	Infirmary Cook	270.00
"	Head Nurse	540.38
"	Nurses (7)	1,911.22
"	Maids (4)	591.00
	Total	$50,218.97

OUT DOOR POOR.

Rent of tenements	$ 2,694.00
Aid of aged and infirm	706.81
Moving and storage	64.05
Medicines and medical supplies	441.80
Burial expenses	300.00
Coal	152.00
Shoes	29.90
Paid other towns	46.00
Transportation	429.05
Sundries, petty cash account	60.19
Provisions, store room	710.08
Rent store room and dispensary	508.00
Cleaning store room and dispensary	90.00
Insurance store room and dispensary	6.25
Furniture store room and dispensary	25.28
Paper, twine, bags, store room and dispensary	15.08
Total	$6,278.59

HOSPITALS.

Hartford Hospital	$10,013.56
St. Francis Hospital	2,187.94
Burials from hospitals	115.50
Connecticut Hospital, Middletown	24,909.02

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Retreat for Insane, Hartford	862.29
School for Imbeciles, Lakeville	2,910.44
Home for Incurables, Newington	248.90
Hartford Orphan Asylum	308.50
St. Peter's Church Corporation	825.00
St. Joseph's Church Corporation	351.43
St. Patrick's Church Corporation	624.00
St. Augustine's Church Corporation	78.00
Convent of the Good Shepherd	58.50
Total	$43,493.08

OFFICE EXPENSES.

Rent of office	$ 483.00
Stationery	9.15
Typewriting and supplies	25.25
Rent of telephone	84.75
Newspapers	22.65
Printing, books and blanks	268.60
Furniture account	12.00
Electric lighting	37.67
Cleaning office	90.00
Insurance account	14.10
Sundries, petty cash account	46.15
Salary of Superintendent	2,000.00
Salary of Clerk	1,650.00
Total	$4,743.32

MISCELLANEOUS.

Probate fees	$ 330.05
Transportation of sick	66.00

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" insane	80.71
Examination of insane	84.00
Acting city physician	82.39
Salary of Investigator	1,350.00
" Physician	1,000.00
Total	$2,993.15

SUMMARY OF DISBURSEMENTS.

Almshouse	$50,218.97
Outdoor poor	6,278.49
Hospitals and asylums	43,493.08
Office expenses	4,743.32
Miscellaneous	2,993.15
Total	$107,727.01

AMOUNTS COLLECTED AND PAID CITY TREASURER.

Support of poor in almshouse	$ 908.12
" outdoor poor	56.33
" poor in hospital	580.44
" insane	187.09
Total	$1,731.98

NET EXPENSES OF CARING FOR POOR.

Almshouse	$49,310.85
Out door poor	6,222.16
Hospitals and asylums	42,725.55

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Office expenses	4,743.32
Miscellaneous	2,993.15
Total	$105,995.03
Appropriation for the year	$104,729.00
Extra appropriation, almshouse	3,000.00
	$107,729.00
Total disbursements	$107,727.01
Balance	$1.99

Respectfully submitted,

J. HOWARD MORSE,
JAS. G. BACON,
WM. BRO SMITH,
ATWOOD COLLINS,
CHAS. L. TUTTLE,
RICHARD J. DILLON,

Board of Charity Commissioners.

Hartford, April 4, 1906.

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REPORT

OF THE

Board of Park Commissioners

For the Year Ending April 30, 1906.

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PARK COMMISSIONERS.

1905-1906.

HON. WILLIAM F. HENNEY, (Mayor), *ex-officio.*

FRANCIS GOODWIN,
Until May 1, 1910.

WILLIAM DELOSS LOVE,
Until April 16, 1909.

CHARLES E. GROSS,
Until May 1, 1913.

LUCIUS F. ROBINSON,
Until May 1, 1912.

WILLIS I. TWITCHELL,
Until May 1, 1911.

GEORGE A. FAIRCHILD,
Until April 17, 1908.

LEWIS C. GROVER,
Until May 1, 1914.

HENRY FERGUSON,
Until April 30, 1907.

HERBERT KNOX SMITH,
Until May 11, 1906.

PHILANDER C. ROYCE,
Until May 1, 1915.

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OFFICERS.

UNTIL MAY 1, 1906.

President, REV. WILLIAM DE LOSS LOVE.
Vice-President, PROF. HENRY FERGUSON.
Secretary, FRANKLIN G. WHITMORE.

Superintendent of Parks,
THEODORE WIRTH, May 1, 1905-January 1, 1906.
GEORGE A. PARKER, January 1, 1906–May 1, 1906.

COMMITTEES APPOINTED.

Ancient Cemetery, Commissioner LOVE, until May 1st, 1906.
Barnard Park, Commissioner GROVER, until May 1st, 1906.
Buckingham Square, Commissioner GROVER, until May 1st, 1906.
Bushnell Park, (East of Trinity Street), Commissioner LOVE, until May 1st, 1906.
Bushnell Park, (West of Trinity Street), Commissioner GROSS, until May 1st, 1906.
Camp Field, Commissioner FAIRFIELD, until May 1st, 1906.
Elizabeth Park, Commissioner ROBINSON, until May 1st, 1906.
Franklin Green, Commissioner GROVER, until May 1st, 1906.
Goodwin Park, Commissioner FAIRFIELD, until May 1st, 1906.
Lafayette Green, Commissioner GROVER, until May 1st, 1906.
Pope Park, Commissioner FERGUSON, until May 1st, 1906.
Riverside Park, Commissioner ROYCE, until May 1st, 1906.
Sigourney Square, Tunnel Square and Village Street Green, Commissioner TWITCHELL, until May 1st, 1906.
Washington Triangle, Commissioner FAIRFIELD, until May 1st, 1906.
Parkways, Commissioner SMITH, until May 1st, 1906.
Rocky Ridge Park, Commissioner FERGUSON, until May 1st, 1906.
Finance Committee, Commissioners GROVER, ROBINSON and ROYCE.
Employment Committee, Commissioners TWITCHELL, FERGUSON and FAIRFIELD.

(For officers elected May 1st, 1906, see Appendix.)

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REPORT.

OFFICE OF THE BOARD OF PARK COMMISSIONERS,
CITY OF HARTFORD,
May 1st, 1906.

To the Honorable Court of Common Council:

GENTLEMEN:

THE Board of Park Commissioners herewith submits its Forty-sixth Annual Report for the year ending April 30th, 1906. The financial statements, the actions of the Board and the work done in the various parks under the supervision of its Superintendent are given herein.

At the annual meeting which occurred on May 1st, 1905, Mr. Philander C. Royce was chosen a Commissioner for the term of ten (10) years to succeed Hon. Patrick Garvan whose term of office then expired. Mr. Royce appointment was duly approved by your Honorable Body. Rev. William DeLoss Love was elected President of the Board for the ensuing year, Professor Henry Ferguson, Vice-President, and Franklin G. Whitmore, Secretary.

Through the generosity of the late Mrs. Elizabeth H. Colt the city has acquired by gift in addition to valuable paintings, statuary and objects of art about One Hundred and Six (106) acres of land in the Southern part of the City and known and designated as "Colt Park." The grounds are beautifully laid out with fountains and statuary, paths and driveways. Comparatively little money will be necessary to expend for making these grounds into a Park for public use.

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On April 26th, 1906, the Memorial Statue to Colonel Samuel Colt erected by Mrs. Elizabeth H. Colt, his widow, was unveiled in the presence of her immediate relatives, the Board of Park Commissioners and the executors of Mrs. Colt under her will. Caldwell Colt Robinson, grand-nephew of Mrs. Colt, unveiled the statue and it was then presented by Corporation Counsel Arthur L. Shipman to the citizens of Hartford through his Honor, Mayor William F. Henney, and to the care of the Board of Park Commissioners.

In accordance with the resolution from your Honorable Body of March 27th, 1906, this Board has laid out a twenty-four (24) foot Macadam or Telford park road through Pope Park from Park Street to Park Terrace approximately the route known as No. 5 on the plans submitted by Superintendent Parker to and approved by this Board January 25th, 1906. For this purpose the sum of Eight Thousand Dollars ($8,000) was appropriated by your Honorable Body. The work is already under way and will be finished soon and open to the public for its use and enjoyment.

Theodore Wirth who for ten (10) years has been Superintendent of the Park system resigned and his resignation took effect the first (1st) of January, 1906. Mr. George A. Parker then Superintendent of Keney Park was appointed Superintendent of the Park system in connection with Keney Park. His report of the work done since his appointment will be found within these pages.

Respectfully submitted by order of the Board,

WILLIAM DELOSS LOVE,
President.

FRANKLIN G. WHITMORE,
Secretary.

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FINANCIAL STATEMENT.

Receipts.

Amounts received from City Treasurer by warrants drawn during the year, to March 31st, 1906, as follows:

1905.	Cash balance on hand April 30th,			$3,102 82
May	Tax Fund,	Warrant 292,		3,000 00
June	Tax Fund,	Warrant 293,		1,953 29
July	Tax Fund,	Warrant 294,		3,775 55
August	Tax Fund,	Warrant 295,		3,613 13
August	Tax Fund,	Warrant 296,		2,500 00
Sept.	Tax Fund,	Warrant 297,		1,584 31
Oct.	Tax Fund,	Warrant 298,		3,747 93
Oct.	Eliz. Park Fund,	Warrant 299,		2,531 44
Oct.	Tax Fund,	Warrant 300,	(For Acct. of New Wall in Bushnell Park),	1,262 63
Nov.	Tax Fund,	Warrant 301,		3,974 04
Nov.	Bond Fund,	Warrant 302,		826 00
Nov.	Eliz. Park Fund,	Warrant 303,		350 00
Nov.	Tax Fund,	Warrant 304,	(Balance in payment of Wall to Michael Sheedy),	1,782 41
Nov.	Bond Fund,	Warrant 305,		1,151 87
Dec.	Tax Fund,	Warrant 306,		3,007 05
Dec.	Bond Fund,	Warrant 307,		825 86
1906.				
Jan.	Tax Fund,	Warrant 308,		3,246 99
Jan.	Eliz. Park Fund,	Warrant 309,		119 33
Feb.	Tax Fund,	Warrant 310,		2,417 36
Mch.	Tax Fund,	Warrant 311,		3,126 15

Amounts received from various Parks for miscellaneous items during the year, as follows:

Rentals,	Tenants on the Parks,	332 00
Pope Park,	Tennis Court Tickets,	339 79
Nursery,	Sale of Plants, Shrubs and other stock,	520 84
Riverside Park,	Sale of grass,	60 00
Mach., Tools and Imp.,	Sale of wool, lambs, etc.,	116 30
General Expense,	Sale of lead, rebate on telephone, etc.,	15 26
Goodwin Park,	Sale of grass,	200 00
Bushnell Park,	Repairing fence, Consolidated Ry' Co.,	5 00
Elizabeth Park,	Restaurant privilege,	50 00
	Total Receipts,	$49,537 35

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Expenditures.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
1905.				
May 8,	Park Pay Roll,	541	No. 1,	$723.31
15,	Park Pay Roll,	542	No. 2,	655.43
22,	Park Pay Roll,	543	No. 3,	768.61
29,	Park Pay Roll,	544	No. 4,	847.09
June 5,	Park Pay Roll,	545	No. 5,	670.95
	C. A. Bossen,	546	Wages for month,	79.85
	Alexander Cumming,	547	Wages for month,	100.00
	Theodore Wirth,	548	Salary and expense,	208.98
	Park Pay Roll,	549	No. 6,	559.52
12,	Thomas Stafford,	550	Sand,	7.00
	The L. C. Daniels Grain Co.,	551	Feed,	43.98
	Edred W. Clark,	552	Mach., tools and implements,	2.00
	Colton & Lyman,	553	Veterinary services,	4.00
	N. J. Moss & Peat Co.,	554	Nursery supplies,	7.00
	The Spaulding Print-Paper Co.,	555	General expense,	30.78
	I. R. Blumenthal,	556	General expense, (Horse),	35.00
	Hartford Lumber Co.,	557	Lumber,	83.44
	Phoenix Iron Works Corp.,	558	Iron work,	1.75
	P. R. Day & Son,	559	Fence rachets,	3.60
	Hartford Machine Screw Co.,	560	Fertilizer,	25.50
	C. R. Rhodes,	561	Fence posts,	25.00
	F. G. Whitmore,	562	Salary and expense,	85.33
	Jeremiah Cooney,	563	Janitor,	5.00
	P. E. Bossen,	564	Nursery plants,	8.07
	The Smith-Worthington Co.,	565	General expense,	1.60
	Hartford Wire Works,	566	Screen work,	7.47
	J. C. Bidwell & Co.,	567	Supplies,	.50
	A. T. Boddington,	568	Plants,	15.00
	Fred J. Godbout,	569	Repairing building,	9.63
	The Bonner - Preston Co.,	570	Painting,	389.90
	Henry A. Dreer,	571	Plants,	8.95
	The Rice-Baldwin Electric Co.,	572	Supplies,	1.65
	Watson & Jackson, Corp.,	573	Walk, (Bushnell),	611.38
	Frank H. Schirm,	574	General expense,	3.75
	R. D., & C. O. Britton,	575	Supplies,	1.00
	J. M. Thorburn & Co.,	576	Supplies,	2.50
	Travelers Ins. Co.,	577	(Rent) F. G. Whitmore & Son, Agents,	37.50
	A. W. Anderson,	578	Horse shoeing,	13.63

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Expenditures — Continued.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
June 5,	The Andrews & Peck Co.,	579	Supplies,	$0.93
	Capitol City Oil Co.,	580	Mach., tools and implements,	1.75
	The J. L. Mott Iron Works,	581	Mach., tools and implements,	11.90
	C. O. Purinton,	582	Nursery supplies,	28.75
	Hartford Harness Co.,	583	Mach., tools and implements,	35.00
	Hartford Dairy Co.,	584	Supplies,	2.86
	Hartford Elec. Light Co.,	585	Electricity,	3.21
	John C. Trant,	586	Supplies,	1.65
	The Southern N. E. Telephone Co.,	587	Telephones,	3.50
	Hfd. City Gas Lgt. Co.,	588	Gas,	3.00
19,	Park Pay Roll,	589	No. 7,	611.22
26,	Park Pay Roll,	590	No. 8,	609.92
July 3,	Park Pay Roll,	591	No. 9,	583.76
6,	Theodore Wirth,	592	Salary,	208.33
	C. A. Bossen,	593	Wages for month,	73.90
	Alexander Cumming,	594	Wages for month,	100.00
	The Southern N. E. Telephone Co.,	595	Telephones,	46.25
	National Assurance Co.,	596	File case,	25.00
	Woods & Hurley,	597	Printing and supplies,	31.50
	W. E. Baker & Son,	598	Insurance premium,	6.40
	Jeremiah Cooney,	599	Janitor,	5.00
	Travelers Insurance Co.	600	(Rent), F. G. Whitmore & Son, Agents,	37.50
	Hfd. City Gas Light Co.	601	Gas,	1.40
	F. G. Whitmore,	602	Salary,	83.33
	Michael Sheedy,	603	Mason work,	63.99
	Schoonmaker & Son,	604	Supplies,	14.37
	George B. Velte,	605	Mach., tools and implements,	9.55
	Belmont Iron Works,	606	Mach., tools and implements,	90.00
	Frank F. Schirm,	607	General expense,	2.15
	R. D. & C. O. Britton,	608	Supplies,	.50
	Hfd. Electric Light Co.,	609	Electricity,	1.00
	J. M. Thorburn,	610	Supplies,	4.50
	Brown, Thomson & Co.,	611	Supplies,	1.00
	Thomas Stafford,	612	Manure,	12.25
	S. A. Miner,	613	General expense,	20.00
	Cadwell & Jones,	614	Tools and supplies,	17.52
	P. Garvan,	615	Supplies,	3.75
	Edred W. Clark,	616	Mach., tools and implements,	8.00

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Expenditures — Continued.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
July 6,	The Secrest & Hoak Co.	617	Mach., tools and implements,	$5.00
	Clapp & Treat,	618	Mach., tools and implements,	17.40
	Phœnix Iron Works Corp.,	619	Iron work,	24.75
	A. Mugford,	620	Electrotypes,	12.45
	The Andrews & Peck Co.,	621	Glass,	3.80
	The Smith-Worthington Co.,	622	Mach., tools and implements,	6.25
	Collins & Courtice,	623	Rent of voting houses,	25.00
	P. R. Day & Son,	624	Fencing,	17.75
	A. Whiting,	625	Roses,	5.00
	Henry A. Dreer,	626	Plants,	5.38
	Blodgett & Clapp Co.,	627	Supplies,	.52
	Hartford Lumber Co.,	628	Supplies, (Lumber),	139.47
	Vaughan's Seed Store,	629	Mach., tools and implements,	3.95
	A. W. Anderson,	630	General expense,	7.51
	Robert Garvie,	631	Plumbing work,	17.75
	A. N. Pierson,	632	Plants,	15.00
	George Richardson,	633	Plants,	26.00
	John C. Trant,	634	Paints, etc.,	19.13
	Hartford Wire Works,	635	Wire netting,	3.75
	John P. Murphy,	636	General expense,	16.00
	Harold W. Douglas.	637	General expense,	21.00
	Watson & Jackson Corp.,	638	Cement,	10.50
10,	Park Pay Roll,	639	No. 10,	484.66
17,	Park Pay Roll,	640	No. 11,	569.65
24,	Park Pay Roll,	641	No. 12,	556.45
31,	Park Pay Roll,	642	No. 13,	631.57
Aug. 7,	Theodore Wirth,	643	Salary and expense,	211.78
	Alexander Cumming,	644	Wages for month,	100.00
	C. A. Bossen,	645	Wages for month,	78.52
	Smith-Worthington Co.,	646	General expense,	3.40
	Fred J. Godbout,	647	Rep. mach., tools and imp.,	7.05
	John Coombs,	648	Nursery plants,	4.50
	Hartford Times,	649	Advertising,	12.60
	Spaulding Print-Paper Co.,	650	Supplies,	2.50
	Phoenix Iron Works Corp.,	651	Iron,	10.32
	Henry F. Mitchell Co.,	652	Mach., tools and implements,	7.00
	Hartford Electric Light Co.,	653	Lights,	73.36

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Expenditures — Continued.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
Aug. 7,	B. L. McGurk,	654	General expense,	$28.50
	Robert M. Garvie,	655	Plumbing,	32.52
	Clapp & Treat,	656	Mach., tools and implements,	34.61
	Southern N. E. Telephone Company,	657	Telephone,	1.00
	Collins & Courtice,	658	Rent of voting booths,	25.00
	The Bonner-Preston Co.,	659	General expense,	11.85
	John C. Trant,	660	Supplies,	14.55
	Hartford Lumber Co.,	661	Lumber,	140.15
	Independent Coal Co.,	662	Coal,	409.20
	Watson & Jackson,	663	Cement,	22.05
	R. & J. Farquahar & Co.,	664	Nursery Plants,	12.50
	Hartford Courant Co.,	665	Advertising,	16.80
	R. D. & C. O. Britton,	666	Supplies and tools,	7.65
	F. G. Whitmore,	667	Salary,	83.33
	Daniels Mill Co.,	668	Feed,	18.33
	T. Sisson & Co.,	669	Supplies,	6.80
	J. C. Bidwell & Co.,	670	Mach., tools and implements,	8.00
	Travelers Ins. Co.,	671	(Rent) F. G. Whitmore & Son, Agents,	37.50
	Jeremiah Cooney,	672	Janitor service,	5.00
	A. Mugford,	673	Electrotypes,	54.75
	The L. C. Daniels Grain Co.,	674	Supplies,	38.48
	Francis & Co.,	675	Hardware,	18.73
	"Brad" & Rundbaken,	676	Signs,	12.50
	Legate Manufacturing Co.,	677	General expense,	19.00
	Arthur T. Boddington,	678	Nursery plants,	30.30
	Rice & Baldwin Electric Company,	679	General expense,	13.00
7,	Park Pay Roll,	680	No. 14,	622.74
14,	Park Pay Roll,	681	No. 15,	633.73
21,	Park Pay Roll,	682	No. 16,	652.31
28,	Park Pay Roll,	683	No. 17,	633.39
Sept. 5,	Park Pay Roll,	684	No. 18,	636.95
	Theodore Wirth,	685	Salary and expense,	208.68
	Alexander Cumming,	686	Wages for month,	100.00
	C. A. Bossen,	687	Wages and expense,	71.84
11,	Walter McCleod & Co.,	688	Mach., tools and implements,	42.50
	R. S. Peck & Co.,	689	Souvenir reports,	223.75
	Brown, Thomson & Co.,	690	General expense,	1.98
	Robert Garvie,	691	Plumbing work,	13.92
	Smith-Worthington Co.,	692	Rep. mach., tools and implements,	5.15

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Expenditures — Continued.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
Sept. 11,	H. F. Corning & Co.,	693	Supplies,	$0.75
	Watson & Jackson,	694	Cement,	2.25
	W. L. Whittemore & Son,	695	Mach., tools and implements,	.70
	Daniels Mill Co.,	696	Supplies,	18.33
	T. Sisson & Co.,	697	Supplies,	21.50
	A. W. Anderson,	698	General expense,	18.63
	Frank F. Schirm,	699	General expense,	5.25
	Francis & Co.,	700	Mach., tools and implements,	3.31
	Thomas Stafford,	701	Sand and manure,	37.25
	John C. Trant,	702	Supplies,	17.40
	Collins & Courtice,	703	General expense,	25.00
	R. D. & C. O. Britton,	704	Supplies,	.50
	J. H. & W. E. Cone,	705	Mach., tools and implements,	10.66
	Billings Sidewalk & Coal Co.,	706	Piping and cement,	10.64
	Phoenix Iron Works Corp.,	707	Iron work.	99.53
	C. N. Ruedlinger,	708	General expense,	97.00
	A. T. Boddington,	709	Bulbs,	207.60
	Hooker & Penrose,	710	Insurance premium,	20.00
	Travelers Insurance Co.,	711	Rent, F. G. Whitmore & Son, Agents,	37.50
	J. C. Bidwell & Co.,	712	Mach., tools and implements,	32.50
	Hartford Lumber Co.,	713	Lumber,	177.41
	F. G. Whitmore,	714	Salary and expense,	83.93
	Jeremiah Cooney,	715	Janitor service,	5.00
	Hartford City Gas Light Co.,	716	Gas,	1.10
	Park Pay Roll,	717	No. 19,	590.75
18,	Park Pay Roll,	718	No. 20,	619.29
25,	City Printing Co.,	719		
		720	Annual park reports,	112.75
	Park Pay Roll,	722	No. 21	737.55
Oct. 2,	Park Pay Roll,	723	No. 22,	690.45
	B. C. Patterson,	721	Mach., tools and implements,	7.00
	Theodore Wirth,	724	Salary and expense,	208.68
	C. A. Bossen,	725	Wages for month, and expense,	72.31
	Alexander Cumming,	726	Wages for month, and expense,	100.00
	J. H., and W. E. Cone,	727	Mach., tools and implements,	28.36
	Fred J. Godbout,	728	General expense,	10.25

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Expenditures — Continued.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
Oct. 2,	S. B. Bosworth,	729	Drain tile,	$3.36
	T. Sisson & Co.,	730	Supplies,	16.25
	Frank F. Schirm,	731	Rep. mach., tools and implements,	22.04
	Phoenix Iron Works Corp.,	732	Iron grates,	7.11
	Hartford Electric Light Co.,	733	Electric lights,	260.80
	Board of Water Commissioners,	734	General expense,	60.46
	Clapp & Treat,	735	Mach., tools and implements,	7.05
	Daniels Mill Co.,	736	Grain and feed,	36.66
	R. W. Sherman,	737	Manure,	20.31
	Watson & Jackson Corp.,	738	Supplies,	8.25
	Hartford Printing Co.,	739	Directory,	3.00
	C. O. Purinton,	740	Nursery supplies,	6.00
	The L. C. Daniels Grain Co.,	741	Supplies,	2.40
	J. M. Thorburn & Co.,	742	Nursery supplies,	2.50
	Robert Garvie,	743	Plumbing work,	1.82
	Blodgett & Clapp Co.,	744	Zinc for bridge,	2.88
	Billings Sidewalk & Coal Co.,	745	Cement, etc.,	294.25
	J. C. Bidwell & Co.,	746	Supplies,	2.50
	R. D. & C. O. Britton,	747	Supplies,	.70
	W. L. Whittemore & Son,	748	Supplies,	.70
	Cadwell & Jones,	749	Mach., tools and implements,	43.43
	Hartford Lumber Co.,	750	Lumber,	182.13
	Connecticut Institute for the Blind,	751	Mach., tools and implements,	6.50
	D. F. Keenan,	752	Crushed stone,	137.50
	Michael Sheedy,	753	Mason work,	396.73
	Hartford City Gas Light Co.,	754	Gas,	1.10
	Southern N. E. Telephone Co.,	755	General expense,	2.92
	Plimpton Mfg. Co.,	756	Supplies,	3.75
	F. G. Whitmore,	757	Salary and expense,	90.83
	Woods & Hurley,	758	Printing,	5.00
	The J. C. Ripley Art Co.,	759	General expense,	2.50
	Collins & Courtice,	760	General expense,	25.00
	John W. Dwyer,	761	Book-case,	40.00
	Phoenix Mutual Life Insurance Co.,	762	Rent for October,	41.66

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Expenditures — Continued.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
Oct. 9,	Park Pay Roll,	763	No. 23,	$752.33
16,	Park Pay Roll,	764	No. 24,	757.13
23,	Park Pay Roll,	765	No. 25,	650.01
30,	Park Pay Roll,	766	No. 26,	648.05
31,	Michael Sheedy,	767	On acct. of new wall in Bushnell Park,	1,262.63
Nov. 6,	Park Pay Roll,	768	No. 27,	556.84
7,	Theodore Wirth,	769	Salary and expense,	208.93
	C. A. Bossen,	770	Wages for month, and expense,	80.30
	Alexander Cumming,	771	Wages for month,	100.00
13,	Park Pay Roll,	772	No. 28,	614.26
	Michael Sheedy,	773	Mason work,	373.28
	James T. Murray,	774	Asbestos cement,	3.50
	A. W. Anderson,	775	Horse shoeing,	19.00
	Warner Photograph Co.,	776	Photographs,	40.50
	T. Sisson & Co.,	777	Supplies,	7.23
	J. H. & W. E. Cone,	778	Mach., tools and implements,	5.33
	Smith-Worthington Co.,	779	Rep. mach., tools and implements,	9.15
	F. H. Sneath,	780	Roofing work,	10.74
	R. D. & C. O. Britton,	781	Supplies,	1.50
	R. M. Starkweather & Son,	782	General expense,	1.00
	The Mellen & Hewes Co.,	783	Mach., tools and implements,	2.10
	"Brad" & Rundbaken,	784	General expense,	3.60
	Evening Post Assoc.,	785	Advertising,	16.20
	Arthur T. Boddington,	786	General expense,	8.30
	The L. C. Daniels Grain Co.,	787	Supplies,	4.80
	Thomas Stafford,	788	Sand,	7.25
	B. L. McGurk,	789	Rep. mach., tools and implements,	21.75
	H. B. Beach & Son,	790	Mach., tools and implements,	37.40
	Hartford Harness Co.,	791	Supplies,	2.75
	Francis & Co.,	792	Mach., tools and implements,	2.40
	Bonora Chemical Co.,	793	Supplies,	2.00
	Tracy, Robinson & Williams,	794	Mach., tools and implements,	1.25
	Daniels Mill Co.,	795	Supplies,	57.03
	Collins & Courtice,	796	Mach., tools and implements,	3.60
	Robert Garvie,	797	Plumbing works,	10.57

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Expenditures — Continued.

Date.	To Whom Paid.	V ch'r No.	For What Purpose.	Amount.
Nov. 13,	Cadwell & Jones,	798	Tools and seeds,	$27.34
	Hartford Livery Co.,	799	General expense,	2.00
	Frayer & Foster,	800	Coal,	.75
	J. C. Bidwell & Co.,	801	Mach., tools and implements,	28.50
	Clapp & Treat,	802	Mach., tools and implements,	.80
	The Edward Balf Co.,	803	Stone,	11.52
	The Rice-Baldwin Electric Co.,	804	Mach., tools and implements, and general expense,	4.35
	Dotshome Dairy,	805	Tools and implements,	25.00
	John C. Trant,	806	Supplies,	7.35
	Phoenix Iron Works Corp.,	807	General expense,	24.00
	L. A. Wiley & Son,	808	General expense,	3.35
	Independent Coal Co.,	809	Coal,	12.40
	P. Garvan,	810	Supplies,	12.36
	Hartford Electric Light Co.,	811	Electric lights,	126.30
	F. G. Whitmore,	812	Salary and expense,	84.33
	Bill Brothers,	813	Tools and general expense,	105.00
	R. S. Peck & Co.,	814	General expense,	7.00
	Hoffman Wall Paper Co.,	815	General expense,	8.25
	Phoenix Mutual Life Insurance Co.,	816	Rent,	41.66
	The Southern N. E. Telephone Co.,	817	Telephones,	39.60
	Board of Water Commissioners,	818	Water rents,	442.92
	Hartford Paving and Construction Co.,	819	Sand,	42.90
	D. F. Keenan,	820	Crushed stone,	172.75
	C. L. Grant,	821	Pile driving,	132.25
	Blodgett & Clapp Co.,	822	Tools and steel,	71.84
	Kelly Brothers,	823	Stone cutters,	79.20
	Hartford Lumber Co.,	824	Lumber,	92.17
	Frank F. Schirm,	825	Iron work,	33.44
	Watson & Jackson Corp.,	826	Cement,	268.74
20,	Alexander Murphy,	827	General expense,	15.53
	Park Pay Roll,	828	No. 29,	717.73
27,	Park Pay Roll,	829	No. 30,	1,250.81
28,	Michael Sheedy,	830	Balance for wall, (Bushnell Park),	1,782.41
Dec. 4,	Park Pay Roll,	831	No. 31,	896.56

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Expenditures — Continued.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
Dec. 5,	Theodore Wirth,	832	Salary and expense,	$209.03
	Alexander Cumming,	833	Wages for month,	100.00
	C. A. Bossen,	834	Wages for month, and expense,	82.26
	"Brad" & Rundbaken,	835	Signs,	3.00
	Mrs. K. Henson,	836	Manure,	20.00
	Kentucky Tobacco Product Co.,	837	Nursery supplies,	3.50
	Colton & Lyman,	838	General expense,	.75
	Frank F. Schirm,	839	General expense,	2.64
	Daniels Mill Co.,	840	Supplies, (feed),	48.81
	M. H. Walsh,	841	Rose plants,	10.69
	R. D. & C. O. Britton,	842	Supplies,	.50
	Phoenix Iron Works Corp.,	843	Iron castings,	8.91
	John C. Trant,	844	Supplies,	4.25
	H. W. Palmer & Co.,	845	General expense,	27.63
	Rice & Baldwin Electric Co.,	846	General expense	.75
	Cadwell & Jones,	847	Mach., tools and implements,	30.00
	Hartford Electric Light Co.,	848	General expense,	2.17
	Thomas Stafford,	849	Sand and loam,	114.75
	Board of Water Commissioners,	850	Supplies,	1.20
	W. L. Whittemore,	851	Mach., tools and implements,	.50
	Robert Garvie,	852	Plumbing,	2.35
	T. M. Parker,	853	Office supplies,	2.75
	F. G. Whitmore,	854	Salary,	83.33
	The J. C. Ripley Art Co.,	855	General expense,	5.50
	The Phoenix Mutual Life Insurance Co.,	856	Rent,	41.66
	P. Garvan,	857	Supplies,	4.86
	Hartford Paving & Construction Co.,	858	Sand,	40.80
	D. F. Keenan,	859	Crushed stone,	6.87
	Michael Sheedy,	860	Masons and cement,	15.82
	Hartford Lumber Co.,	861	Lumber,	219.82
	Peter Lux & Son,	862	General expense,	8.60
	A. C. Sternberg,	863	Stone,	31.50
11,	Park Pay Roll,	864	No. 32,	996.03
18,	Park Pay Roll,	865	No. 33,	495.73
1906 25,	Park Pay Roll,	866	No. 34,	321.21
Jan. 2,	Park Pay Roll,	870	No. 35,	275.82
5,	Theodore Wirth,	867	Salary and expense,	209.28
	C. A. Bossen,	868	Wages and expense,	79.12

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Expenditures — Continued.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
Jan. 5,	Phoenix Mutual Life Insurance Co.,	869	Rent to January 1st.,	$41.68
	William J. McDonough,	871	Office supplies, (Supt. office),	2.45
	L. A. Wiley & Son,	872	General expense,	2.45
	Frank F. Schirm,	873	Mach., tools and implements,	.50
	Alexander Cumming,	874	Wages for month	100.00
	The Warner Photograph Co.,	875	General expense,	20.50
	Robert Garvie,	876	Repairing buildings, (Elizabeth),	47.00
	S. B. Bosworth,	877	Pipe,	21.56
	John Scheidig & Co.,	878	Mach., tools and implements,	.88
	Spaulding Print-Paper Co.,	879	General expense,	2.06
	T. Sisson & Co.,	880	Supplies,	1.00
	"Brad" & Rundbaken,	881	General expense,	3.00
	P. Garvan,	882	Supplies,	19.39
	The Bonner-Preston Co.,	883	Repairing buildings, (Elizabeth),	38.00
	Daniels Mill Co.,	884	Supplies,	43.35
	John C. Trant,	885	Supplies,	6.63
	C. A. Pease & Co.,	886	Supplies,	4.44
	S. K. Stubbs,	887	Mach., tools and implements,	24.00
	Phoenix Iron Works Corp.,	888	Iron casting,	5.00
	Estate Mrs. E. H. Colt,	889	Plants, (Nursery),	6.00
	Robert Scott & Son, Agents for Alex. Dickson & Sons,	890	Plants, (Elizabeth),	48.43
	The Edward Balf Co.,	891	Sprinkling,	50.00
	A. W. Anderson,	892	Horse shoeing,	6.25
	Watson & Jackson Corp.,	893	Cement,	109.90
	W. L. Winship,	894	Supplies,	18.14
	B. L. McGurk,	895	Rep. Mach., tools and implements,	14.10
	Hartford Lumber Co.,	896	Lumber,	72.32
	J. H. & W. E. Cone,	897	Mach., tools and implements,	60.71
	F. G. Whitmore,	898	Salary,	83.33
	Hooker & Penrose,	899	Insurance premium,	75.00
	Board of Water Commissioners,	900	Water rents,	46.93
	Hartford Electric Light Co.,	901	Electric lights,	33.07

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Expenditures — Continued.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
Jan. 5,	Blodgett & Clapp Co.,	902	Mach., tools and implements,	$9.23
	Billings Sidewalk & Coal Co.,	903	Cement,	9.01
	Olmsted Brothers,	904	General expense, (Pope Park),	35.97
9,	Park Pay Roll,	905	No. 36,	307.22
16,	Park Pay Roll,	906	No. 37,	389.43
23,	Park Pay Roll,	907	No. 38,	415.04
30,	Park Pay Roll,	908	No. 39,	376.29
17,	Mrs. George Lind,	909	Mach., tools and implements,	35.00
	Edgar T. Duncan,	910	Plans and surveys,	21.35
Feb. 6,	Park Pay Roll,	911	No. 40,	360.55
10,	Phoenix Mutual Life Insurance Co.,	912	Rent,	41.66
	Warner Photograph Co.,	914	Views for report,	12.00
	Thomas Stafford,	915	Sand,	7.00
	F. G. Whitmore,	916	Salary and general expense,	84.33
	Southern N. E. Telephone Co.,	917	Telephones,	30.70
	C. H. Brazel & Co.,	918	Supplies,	.50
	Independent Coal Co.,	919	Coal,	12.40
	Frank F. Schirm,	920	Rep. Mach., tools and implements,	46.55
	Tracy, Robinson & Williams,	921	Supplies and tools,	7.37
	Cadwell & Jones,	922	Mach., tools and implements,	6.75
	Bonner-Preston Co.,	923	Rep. tools and supplies,	7.10
	Henry Cowlishaw,	924	Repairing tools,	.95
	The L. C. Daniels Grain Co.,	925	Feed,	2.40
	Smith-Worthington Co.,	926	Rep. tools and implements,	8.50
	Fred J. Godbout,	927	Rep. tools and implements,	.50
	J. C. Bidwell & Co.,	928	Mach., tools and implements,	1.50
	R. D. & C. O. Britton,	929	Mach., tools and implements,	5.70
	C. N. Ruedlinger,	930	Tree spraying,	127.02
	George A. Parker,	931	Salary and expense	172.52
	Andrus & Naedele Co.,	932	Supplies,	1.26
	A. W. Anderson,	933	General maintenance,	31.22
	L. L. Ensworth & Sons,	934	Mach., tools and implements,	.64

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Expenditures — Continued.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
Feb. 10,	Arthur T. Boddington,	935	Plants, (Nursery),	$17.35
	Smith & McDonough,	936	Supplies,	26.30
	T. Sisson & Co.,	937	Supplies,	6.84
	The Stumpp & Walter Co.,	938	Nursery plants,	2.25
	Robert Garvie,	939	Repairing plumbing,	8.25
	Hartford Electric Light Co.,	940	Electricity,	5.31
	Daniels Mill Co.,	941	Feed,	73.08
	Hartford Lumber Co.,	942	Lumber,	108.61
13,	Park Pay Roll,	943	No. 41,	431.08
20,	Park Pay Roll,	944	No. 42,	373.49
27,	Park Pay Roll,	945	No. 43,	315.25
Mar. 6,	Park Pay Roll,	946	No. 44,	312.53
8,	George A. Parker,	947	Salary,	166.67
	Case, Lockwood & Brainard Co.,	948	Supplies,	32.10
	Andrus & Naedele Co.,	949	Mach., tools and implements,	1.26
	Frank F. Schirm,	950	Horse shoeing,	7.85
	Stumpp & Walter Co.,	951	Plants,	33.50
	J. M. Thorburn & Co.,	952	Plants,	17.00
	J. C. Bidwell & Co.,	953	Tools and implements,	12.65
	C. A. Pease & Co.,	954	Feed,	72.25
	The W. W. Walker Co.,	955	Supplies,	.65
	Fred J. Godbout,	956	Mach., tools and implements,	.50
	The Smith Premier Typewriter Co.,	957	Supplies,	.75
	Independent Coal Co.,	958	Coal,	6.20
	Henry A. Dreer,	959	Plants,	23.02
	The Smith-Worthington Co.,	960	Tools and implements,	3.75
	A. W. Anderson,	961	General expense,	7.50
	B. L. McGurk,	962	Tools and implements,	18.00
	Henry Cowlishaw,	963	Tools and implements,	.15
	Phoenix Mutual Life Insurance Co.,	964	Rent,	41.66
	Edwin Taylor Lumber Co.,	965	Lumber,	83.33
	F. G. Whitmore,	966	Salary,	83.33
	Hartford Electric Light Co.,	967	Electricity,	2.00
	Tracy, Robinson & Williams,	968	Hardware,	12.03
13,	Park Pay Roll,	969	No. 45,	328.13
20,	Park Pay Roll,	970	No. 46,	411.22
27,	Park Pay Roll,	971	No. 47,	421.52
Apr. 3,	Park Pay Roll,	972	No. 48,	338.93

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Expenditures — Continued.

Date.	To Whom Paid.	V'ch'r No.	For What Purpose.	Amount.
Apr. 3.	G. A. Parker,	973	Salary and expense,	$171.09
	C. A. Pease & Co.,	974	Feed,	34.65
	Dept. Public Charities,	975	Hay,	18.04
	William J. McDonough,	976	Supplies, (Supt. Off.)	15.63
	Case, Lockwood & Brainard Co.,	977	Supplies, (Supt. Off.)	21.85
	J. H. & W. E. Cone,	978	Tools and implements,	18.80
	C. H. Dresser & Son,	979	Posts,	21.00
	Tracy, Robinson & Williams,	980	Supplies,	2.65
	Phoenix Iron Works Corp.,	981	Castings,	36.00
	Smith-Worthington Co.,	982	Supplies,	2.25
	Henry A. Dreer,	983	Plants,	1.50
	W. M. Bolf,	984	Manure,	49.50
	Daniels Mill Co.,	985	Oats,	58.29
	Cadwell & Jones,	986	Tools and implements,	6.85
	T. Sisson & Co.,	987	General expense,	.68
	Francis & Co.,	988	Tools and implements,	41.79
	Watson & Jackson,	989	Cement,	.92
	Edwin Taylor Lumber Co.,	990	Lumber,	6.00
	L. C. Daniels Grain Co.,	991	Salt,	2.40
	Hartford Electric Light Co.,	992	Electric lighting,	48.64
	F. G. Whitmore,	993	Salary,	83.33
	Phoenix Mutual Life Ins. Co.,	994	Rent,	41.68
	Hft. City Gas Light Co.,	995	Gas,	1.10
	Hartford Printing Co.,	996	Printing,	3.00
	I. P. Mensch,	997	General expense,	8.00
	Hartford Dairy Co.,	998	Milk,	2.24
	Bonner-Preston Co.,	999	Paint,	20.30
	Independent Coal Co.,	1000	Coal,	34.10
	Stumpp & Walter Co.,	1001	Plants,	3.15
	Woods & Hurley,	1002	Printing supplies,	2.50
	H. Cowlishaw & Son,	1003	Tools and implements,	.80
	Frank F. Schirm,	1004	General expense,	1.75
	Harry Flynn,	1005	Horse shoeing,	4.50
	Colton & Lyman,	1006	General expense,	7.50
			Total,	$47,326.88

HARTFORD, Conn., June 2nd., 1906.

I have examined the books and vouchers of F. G. Whitmore, Secretary Board of Park Commissioners and find them correct.

CHARLES H. ROBINS, *Controller.*

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Financial Statement for Eleven Months Ending March 31st, 1906.

Tax Fund Account.

May 1, 1905,	Balance in hands of City Treasurer, per report, . . .	$472 83	
	Balance in bank to credit of fund, per report, . . .	2,773 20	
July 1, 1905,	Amount received from Tax Collector and deposited in the City Treasury to credit of fund, ...	38,500 00	
Mch. 31, 1906,	Interest credited to fund during year, ...	219 70	
	Appropriation from Court of Common Council for parkway in Pope Park, . .	8,000 00	
	Incidental rentals, receipts etc., received during the eleven months, ...	1,639 19—	$51,604 92
Mch. 31, 1906,	Expenditures from fund during the eleven months, . .	41,228 41	
	Balance in City Treasury to credit of fund, . . .	8,201 69	
	Balance in Bank to credit of fund, ...	2,174 82—	$51,604 92

Bond Fund Account.

May 1, 1905,	Balance in hands of City Treasurer, per report, . . .	$10,381 86	
	Interest credited to fund during eleven months, . . .	272 22—	$10,654 08
Mch. 31, 1906,	Expenditures from fund during the eleven months, . .	2,768 08	
	Balance in City Treasury to credit of fund, . . .	7,850 35	
	Balance in our Bank to credit of fund, ...	35 65—	$10,654 08

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ELIZABETH PARK FUND ACCOUNT.

May 1, 1905,	Balance in hands of City Treasurer, per report, . . .	$8,721 26		
	Balance in our Bank to credit of fund, ...	329 62		
	Interest credited to fund during eleven months, . . .	150 39—		$9,201 27
Mch. 31, 1906,	Expenditures from fund during the eleven months, . .	$3,330 39		
	Balance in City Treasury to credit of fund, . . .	5,870 88—		$9,201 27

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IMPROVEMENTS

AND

MAINTENANCE

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IMPROVEMENTS AND MAINTENANCE.

	Elizabeth Park	Goodwin Park	Pope Park	Riverside Park	Bushnell Park	Barnard Park	Sigourney Square	Lafayette St. Green	Tunnel Square	Buckingham Square
IMPROVEMENTS.										
New Bridge	$3,287 89	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Roadways	.....	.....	$2 10	.....	.....	.....	.....	.....	.....	.....
Grading and Filling	.....	$324 01	.....	.....	.....	.....	.....	.....	.....	.....
Plans and Surveys	25 00	.....	66 80	.....	$ 87	.....	.....	.....	.....	.....
Parkway	.....	.....	10 00	.....	.....	.....	.....	.....	.....	.....
Compost	17 50	.....	.....	.....	.....	.....	.....	.....	.....	.....
Retaining Wall	.....	.....	.....	.....	4,154 01	.....	.....	.....	.....	.....
Labor	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
General Expense	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plantations	.....	10 50	.....	.....	.....	.....	.....	.....	.....	.....
Totals	$3,330 39	$334 51	$78 90	.....	$4,154 88	.....	.....	.....	.....	.....
MAINTENANCE.										
Sweeping & Cleaning	$98 64	$10 00	$186 45	$127 92	$248 54	$37 10	$1 75	.....	$12 62	$5 84
Snow Cleaning	37 09	9 41	129 73	13 91	342 13	35 14	.....	$5 27	5 45	6 42
Snow Cleaning (Pond)	.....	5 00	6 94	18 44	28 50	.....	.....	.....	.....	.....
Repairing Sidewalks	23 05	85	24 21	46 35	51 70	.....	.....	.....	.....	.....
Cleaning Roadways	410 01	196 09	4 04	10 83	110 23	.....	.....	.....	39	.....
Repairing Roadways	84 91	20 44	4 25	.....	7 62	.....	.....	.....	.....	.....
Mowing and Care of Lawns	790 14	354 04	553 38	349 55	807 22	69 01	114 47	21 00	22 96	15 16
Seeding and Turfing	30 52	.....	.....	.....	29 78	.....	.....	.....	.....	.....
Trees, Shrubs and Fallen Leaves	1,578 04	719 86	871 11	437 39	606 20	50 57	32 03	34 00	17 16	8 55
Plantations	109 87	.....	.....	.....	225 98	.....	.....	.....	.....	.....
Labor	1,539 81	309 27	409 44	404 87	453 15	21 77	1 88	3 95	17 16	2 17
Watching	223 08	159 60	272 79	171 28	222 04	4 67	.....	.....	1 78	.....
Sundry Expenses	1,433 56	54 06	151 31	391 20	283 76	18 36	1 56	.....	.....	17 75
Supplies	297 09	15 49	29 89	12 40	144 50	.....	.....	.....	.....	.....
School Garden	.....	.....	.....	818 24	.....	.....	.....	.....	.....	.....
Compost	410 85	.....	.....	.....	.....	.....	.....	.....	.....	.....
Repairing Buildings	81 90	.....	.....	8 25	40 29	.....	.....	.....	.....	.....
Drainage	3 36	.....	.....	.....	.....	.....	.....	.....	.....	.....
Playgrounds	9 22	.....	187 33	101 47	.....	.....	.....	.....	.....	.....
Flowers and Beds	493 23	.....	.....	7 00	260 53	.....	20 75	.....	.....	.....
Mulberry St. Bridge	.....	.....	.....	.....	95 75	.....	.....	.....	.....	.....
Trinity St. Walk	.....	.....	.....	.....	565 63	.....	.....	.....	.....	.....
Repairs to Bridge	.....	.....	.....	.....	80 00	.....	.....	.....	.....	.....
Floriculture	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals	$7,654 37	$1,854 11	$2,830 87	$2,919 10	$4,603 55	$236 62	$172 44	$64 22	$77 52	$55 89

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IMPROVEMENTS AND MAINTENANCE.

Green	Maple Ave. Green	Village St. Green	Ancient Cemetery	Washington St. Square	Camp Field Green	Nursery	Sup't's Office	Corning Fountain	Colt Park	Rocky Ridge Park	Office Furniture and Supplies		
										$821 04			
										1552 17			
										29 50		Compost	$80 08
												Mch. Tools & Imp.	965 76
									$35 88				
										25 86			
									$35 88	$2428 57			$1,045 84
5 84		$ 39	$4 86		$3 50				$18 41				
4 35	$1 25		6 82	$1 36	2 84				52 66				
									27 89				
												Repair Machinery, Tools and Imp.	$724 88
												General Main	2,582 25
												House of Comfort.	809 08
2 34			94 00		28 00							Supplies	515 79
				97								Salaries	3,083 28
7 38		6 42	38 50	5 25	17 92				22 55			Special Labor	1,902 05
						140 12							
76		2 92		78	3 25	1278 74			136 43	79 27			
									110 56				
						295 62	$56 57	$23 51	235 51	40 33			
						348 82	127 23	2 80	112 96		$97 75		
						79 47							
						2303 94							
72	$1 25	$9 73	$144 18	$8 36	$55 51	$4446 71	183 80	$26 31	$716 97	$119 60	$97 75		$9,617 33

Total Improvements	$11,408 97
Total Maintenance	35,917 91
Total Expenditures	$47,326 88

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REPORT OF

Superintendent Theodore Wirth

To the Board of Park Commissioners

May 1, 1905 to December 30, 1905

HARTFORD, CONN., December 30, 1905.

To the Board of Park Commissioners:

GENTLEMEN: — I wish to submit in brief form a report of the principal work performed by your direction and under my supervision from May 1st, 1905, to date.

Bushnell Park

The wooden drive and foot bridge near Union Place was somewhat strengthened by the introduction of tierods under the trusses of the northern half, and the setting of vertical posts supporting the trusses of the southern half of said bridge. The total cost for these repairs was $80.00.

The most important work performed was the building of a section of new retaining wall, 205 feet long, from a point 80 feet above to a point 125 feet below the stepping stones, along the south shore of Park River. The wall is of similar construction as the one on the opposite side of the stream; is very

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substantial as well as attractive both in alignment and appearance, and is 2 feet higher than the old wall. Same has been built under contract, along given specifications, by Contractor Michael Sheedy, at an average cost of $12.18 per running foot for masonry, including coping, and $7.58 per cubic yard of concrete footing. The total cost of the wall including inspection, grading and seeding was $3,535.75.

Another piece of wall, 80 feet long, located north of the Superintendent's office, was entirely rebuilt. The old stone material was used for the reconstruction of the wall, same resting on a solid concrete footing, 3 feet wide, and 2 feet thick. The cost for this section of the wall including grading, planting, etc., was $504.53.

Riverside Park

The introduction of the school garden was in every respect a very successful undertaking. The applications for admission by children of all schools were surprisingly large in number, exceeding manifold the capacity of the garden, which being one acre in extent, was first intended to accommodate 50, but was eventually sub-divided to give gardens to 150 children. The work was started rather late, but nevertheless the results were most satisfactory and the children's faithful work was rewarded by a very fair crop of vegetables and flowers. The interest and enthusiasm shown by the youthful gardeners was most gratifying and was not of a temporary character, but lasting from beginning to end. Similar gardens in some of our other large parks would undoubtedly be equally successful and be a welcome gift to the children of all classes and sections of our city. The cost of the garden includ-

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ing the rental of the two voting booths for shelter and school purposes was $875.00. The Water Commissioners kindly furnished the necessary water pipe for the garden, and the garden work was under the direct supervision and management of the Civic Club, who paid all maintenance expenses.

The plantings along the river bank between the Pumping Station and the wading pool have been rearranged and replanted with lower shrubbery; the old planting obstructed the river view too much.

The board walk and bridge south of the Pumping Station have been removed, to make room for filling done by the Connecticut River Bridge Commission.

At the men's toilet room two Wilhelm Beetz Patent Oil-Syphon Urinals were introduced and they worked very satisfactory the entire season. These oil-syphons do away with the necessity of flushing the urinals with water and are therefore, besides their other good sanitary qualities, of great economical value. The syphons and the oil were imported from Europe, where I saw those urinals in use last year in many public buildings in Zurich.

Goodwin Park

The only improvement work carried out this fall was the filling in, seeding and planting of the old gravel pit west of the Pine Bank drive. This barren spot in the midst of the otherwise very attractive wooded hillside, has always been an unsightly spot, and the $350.00 spent on this improvement has given this section of the park a finished appearance.

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Elizabeth Park Bridge

The principal improvement here was the construction of the stone bridge, replacing the wooden bridge which was decayed beyond repairs. This bridge is an elliptical arch, the curve of the intrados being a true semi-eclipse of 24 feet span, and 4 feet rise, with the springing line one foot above the surface of the water.

The arch ring is 1 foot 9 inches in thickness at the crown, and 3 feet 6 inches at the springing. Except on the face stones, however, the line of the extrados is not defined, as the arch ring, spandrel backing, and abutments are one homogeneous mass of concrete. The arch is 32 feet long, out to out of face stones.

The spandrel and parapet walls present an unbroken surface from the top of the arch ring to the coping. Each end of the arch ring consists of 25 trap rock boulders, each dressed on three sides, one to conform to the soffit of the arch, and two in planes normal to the curve of the intrados to form joints with the adjacent voussoirs. The exposed faces of the spandrel and parapet walls consist of field stones, 3 to 6 inches in diameter, set closely, in cement mortar which was afterwards raked out to a depth of one or two inches. The copings were made in short sections, of a very dense concrete mixture, and placed in position after hardening.

The total appropriation for the bridge was $3,350.00. Severe frost set in before the approaches could be entirely completed, but a very few days' work in the spring will complete them, and the bridge, accommodating both driveway and walk, will last for years to come. The low arch of the bridge is quite imposing and the stone work of the arch rings, piers and para-

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pet walls quite attractive and pleasing. With the exception of the cutting of the ring stones, the entire work was done by days work by our own park force, based upon the engineering calculations and instructions of Mr. R. N. Clark, Civil Engineer.

Rocky Ridge Park

At the regular Board meeting held Nov. 6th, an appropriation of $3,000.00 was made to begin improvements on tract No. 2, which is now under the jurisdiction of this Department. The weather being still extremely favorable for grading operations, a large force of men and teams was put to work at once to take off the high bank along Zion Street, beginning at the north line of said tract and proceeding south as far as Flatbush Avenue.

The material removed was used for the filling in of the low grounds at the foot of the cliffs. The rough grading between said north line and Flatbush Avenue was completed before severe frost set in: Some 12,000 yards of material being moved at a cost of about 20 cents per cubic yard.

The territory so far treated can easily be brought to a smooth grade and be seeded down and the road made serviceable within the given appropriation of which $571.83 remains available.

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Colt Park

This park having come under the jurisdiction of the Board of Park Commissioners with the acceptance of Mrs. Colt's gift by the Court of Common Council Nov. 13th, is already a very popular recreation ground, judging by the fact that Saturday and Sunday, Dec. 16th and 17th, from 1,500 to 2,000 people frequented the skating ponds on the low grounds flushed through the closing of the dyke gates.

The only improvement so far performed on this park is the laying of a 4 foot board walk across the lawn from a point on Wethersfield Avenue opposite Morris Street to the roadway just south of the gardener's cottage. This walk accommodates a number of employees of the Colt factory living just west of Wethersfield Avenue.

A temporary shelter was built for the herd of deer. The monument erected by Mrs. Colt in memory to Col. Colt was fenced in to protect it from crowds during the winter months. Signs were posted near the dangerous ponds just south of said monument to warn people from skating there, and safety boards, furnishd by the Conn. Humane Society, have been placed in close proximity.

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The maintenance of all the parks has been conducted along the regular economical lines, and the maintenance funds at date of this writing are in a satisfactory condition; there being a fair surplus on hand over the estimated expenditures for the 35 weeks just completed.

The present condition of all the parks is quite satisfactory, as they should be after an entire season of the finest weather. The fall and early winter have been especially favorable to plant life, and all plants from the towering tree to the smallest mite of an Alpine perennial, are in a splendid, healthy and ripe condition, and should withstand the severest test of the winter.

The present working force of the Department is of a high standard, and I am, generally speaking, very much pleased to be able to transfer the Department under my charge to my successor in an efficient, healthy and promising condition.

Wishing my successor and through him the Department the continued success, which is due same under the administration of your so well constituted and organized Board of Park Commissioners, I wish to thank you gentlemen of the Board for the uniform kindness and good will shown me at all times and the support given me during the entire term of my ten years of service.

Yours very respectfully,

THEODORE WIRTH,
Superintendent.

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REPORT OF

Superintendent G. A. Parker

To the Board of Park Commissioners

HARTFORD, CONN., May 1, 1906.

Board of Park Commissioners, Hartford, Conn.

GENTLEMEN: — I have to report the work performed under the directions of this office for the four months ending April 30, 1906.

An inspection and inventory of the park property showed it to be, as a whole, in fine physical condition, amply supplied with tools and apparatus needed for the work, and under the care of able and efficient foremen and employees.

CONSTRUCTION WORK

Colt Park

A park road has been built from Wethersfield Avenue, opposite Morris Street, to connect with the road across the meadows, becoming the principal entrance to the park. This road is 18 feet wide, 660 feet long, with side rampus, thoroughly drained and surfaced with cinders and, with the side-

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grading, cost $873.31. It is now ready for the final coating of stones whenever ordered.

The *grading* around the memorial to Col. Colt has been completed under plans of this department and in accordance to the desire of the executor of the will of Mrs. Colt at a cost of $257.01, which was paid by the executor.

There was constructed in a temporary manner, for the final plan of the park has not been determined, twelve baseball diamonds. Six of these were skinned and six were left in turf, the greater inequalities of surface being removed, the ground thoroughly rolled with a heavy roller and bags of sand placed as bases. As imperfect as all these diamonds are in construction, yet they have been much used and apparently have given a great deal of pleasure.

All interior fences have been removed and the grounds cleaned of rubbish and refuse.

A large number of decrepit and dead trees have been removed, including quite a number of pear and apple trees.

Considerable grading has been done in filling out the foot of steep banks, especially the east bank of the reservoir with earth which the Edward Balf Company carted and gave to the park.

Pope Park

The plans, profiles and working drawings for the park-way from Park Street to Park Terrace are completed and the work has been staked out on the grounds and everything is ready to begin the work at once.

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Elizabeth Park

The new bridge over a section of the lake, which was completed last fall, has been opened to the public. The small amount of grading of its approaches, which the cold weather prevented being done last winter has been completed.

Bushnell Park

That section of the grounds disturbed by the building of the retaining wall last season has been graded and seeded.

The designing and engineering work connected with construction has been done by Mr. H. G. Clark, a most skillful engineer employed by the department, and the work of construction has been under the charge of Mr. Frank D. Sargent, an energetic and efficient foreman.

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MAINTENANCE

What is usually known as maintenance work in parks consists of keeping the buildings and grounds in good order, the thinning and renewing of plantings.

A large proportion of this expenditure is really park housekeeping; work that has to be done over and over again, almost daily. It is like washing dishes, sweeping and making beds in ordinary housekeeping; an expense which properly should not be charged to the maintenance of parks, but to an account which would show what it costs the city to enjoy its parks. It is no more a park expense than the cost of a dinner is an expense chargeable to the maintenance or construction of a house in which it happens to be served.

Quite a sizable per cent. of this cost is not even expended on the park territory, it being expended in caring for the sidewalks and land between the curb and the property lines of the streets bounding parks and squares. There are now two and eighty-three hundredths miles of sidewalk which has to be cared for and kept free from snow in winter, and this distance will be more than doubled when the streets which bound parks have flag sidewalks.

In the four months covered by this report nothing unusual has occurred in the maintenance work. Only one change in its management has been made. Instead of having all the men begin their work at 7 A. M. and stop at 5 P. M., being away between twelve and on for dinner; one man in each

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park begins his work at six in the morning and aother stays until ten or after each night, the hours being arranged so that they do not make over the nine hours for their day's work. One man is also on duty during the noon hour. In this way some one interested in and directly resposible to the park officials are present on the parks when used by the people. This does not take the place of policing by the Police Department for the men which are employed by the Park Department have other duties besides patroling. While this arrangement has not yet been entirely carried out, yet it has proved quite satisfactory as far as organized.

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WINTER SPORTS

As the period covered by this report are mostly the cold weather months, I desire to refer to the use the people make of the parks during the cold weather.

An impression seems to be abroad that parks, like outdoor theaters close with the summer months, but they are open all winter and are as useful then as in summer, although used differently. The winter beauty in parks is very great and have only to be appreciated to give delight. Of the many winter sports and excercises which the parks provide opportunity for, most of them are not used at all in Hartford; walking and driving, a very little; coasting, considerably on Bushnell Park, but almost none on the others. Skating and hockey playing are the two sports that are decidedly popular. The ice surface on Colt and Elizabeth Parks was divided by a fence, and on only one side was hockey playing allowed. Including Keney Park, there are twelve water surfaces in the park system, as follows:

		sq. ft.	acres
1.	Riverside Park, Large Pond, . .	399,776	9.18
2.	Colt Park, Duck Pond and Overflow, .	250,758	5.75
3.	Goodwin Park, Pond, . . .	139,760	3.20
4.	Keney Park, Lake Waltermere, . .	139,200	3.19
5.	Elizabeth Park, Pond, . . .	109,680	2.50
6.	Colt Park, Large Reservoir, . .	47,560	1.09
7.	Pope Park, Pond, ...	47,000	1.08
8.	Bushnell Park, Pond, . . .	27,000	0.62
9.	Riverside Park, Wading Pool, . .	26,240	0.61

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10.	Colt Park, Little Reservoir, . .	3,680	0.08
11.	Elizabeth Park, Pond, . . .	2,160	0.05
12.	Keney Park, Sweet Spring, . .	1,840	0.04
	Total, ...	1,195,054	27.39

Of these three are too small to be used for skating and one large reservoir on Colt Park is too dangerous, leaving eight ponds to be used for skating purposes. The following table gives the number of skaters on each during the period covered by this report. During the hours when skating was possible some park employee was present. It was impossible to accurately count the number of skaters at all times, and some of the guesses made as to their number were undoubtedly far from correct, but on the whole I believe the numbers as stated to be reasonably accurate:

	Skaters.
Riverside Park, Large Pond, . .	14,140
Colt Park, Duck Pond and Overflow, .	13,350
Goodwin Park, Pond, . . .	365
Keney Park, Lake Waltermere, . .	11,370
Elizabeth Park, Pond, . . .	4,270
Pope Park, Pond, ...	6,040
Bushnell Park, Pond, . . .	4,650
Riverside Park, Wading Pool, . .	4,535
Total, ...	58,720

The area here given does not include the Park River which flows through Bushnell and Pope Park and over which, I understand, the park department has no jurisdiction. I desire especially to call attention to this fact, for while the park employees measure and test the ice on the park ponds

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and post notices of safety or not safe, yet they do not do the same with the ice on the Park River. A fact which the public should know, for many persons have said, "I feel safe to let my children skate on the park ponds for I know you will not let them unless the ice is strong enough," and on Bushnell Park River it might easily be supposed that the ice on the Park River was also judged by us.

Some severe criticisms were received because the ice was not opened for skating when apparently it was safe and when it was safe for a few to skate upon. That it may be known what governs in determining the strength of ice, I would like to make some statements on which the judgment is based.

Basing my calculations upon such data as I have at hand, which, however, is very unsatisfactory, it would appear that ice

1 in.	thick	will	sustain	120 lb.	per ft.	Circle 16 ft.	in diameter
2	"	"	450	"	"	33	"
3	"	"	1040	"	"	50	"
4	"	"	1815	"	"	66	"
5	"	"	2870	"	"	83	"
6	"	"	4146	"	"	100	"

My observation seems to agree with this table. It also seems to agree with the Manual of the Ordinance Department of the United States Army which states that:

Ice two inches thick will bear infantry not keeping step. Ice four inches thick will bear cavalry. Ice six inches thick will bear field guns. Ice eight inches thick will bear twenty-four pound cannons on sledges, weight not more than 1,000 pounds per ft. In crossing ice of the minimum thickness soldiers are to be well spread out and not keep step.

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Based upon the figures as given, it would appear that ice one inch thick is not safe to be used for skating. While it would be safe for forty small people per acre if they kept far enough apart, it would not be safe for them if they were bunched together, or for persons who weigh more than one hundred pounds.

Ice two inches thick would be safe for one hundred persons per acre if not more than one dozen persons go into one bunch. Ice three inches thick would be safe for 250 persons per acre, but clusters of skaters should not exceed twenty in number. Ice four inches thick would be safe for 400 persons per acre, but no bunch of skaters to exceed fifty. There is probably no danger with five inches of ice for any crowd that goes for skating, but the ice should be at least eight inches thick to hold a large crowd standing close together as sometimes occurs in watching match games or horse racing on ice.

As to the number of persons who can skate at one time on an acre of ice frequent counting and observation leads me to consider 250 per acre or one to 175 square feet as all that can get much comfort or satisfaction in skating. The number can be increased to 300 or 500 per acre; the comfort of skating with the larger number depending to a great extent upon the skill of the skaters and the good nature of the crowd. A few disagreeable disposed persons in congested skating can produce almost no end of discomfort to the others. Five hundred skaters per acre hardly gives room for any one to skate. They must anyway move slowly and for any satisfaction must move in a regular and systematic manner about the ice.

The cost of removing snow from the ice is a very variable one, depending whether it is light and fluffy and free

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from the ice, or wet and heavy and adheres to the ice. Yet it is probable that the average cost of labor would not exceed $3.00 per acre for an inch of snow, itemized as follows:

Horse, . . .	$0.50 per hour
Four men, . . .	0.70 per hour
Total, . . .	$1.20 per hour

Two and one-half hours time, as above, would cost $3.00, and usually it does not take over two and one-half hours' time to clear off an acre of snow.

When ice has been so much used as to cover itself with skating chips, it should be scraped and when rough, it should be planed. By these means it could be kept during cold weather in a good condition for skating at a cost of between 50 cents and $1.00 per acre for each time it is cleaned. If we had forty days' skating during the winter and three thousand as an average number skating each day, or one hundred and twenty thousand skaters for the season, then the average cost of skating per person is less than one-half cent per day. It is probable that during our worst winters, patroling and all included, the cost would not exceed one cent per skating day.

Owning these parks as the city does, having the entire equipment necessary for skating, only lacking the necessary conditions to make what it already possesses available, is it not a waste of opportunity not to provide the one cent or less per day for each person who actually uses the ice? It is a question of providing the small means necessary to use what has already been produced at quite a large expense, for the ponds of the Hartford Park system are not natural, but have been constructed at considerable expense either by the city or by private parties at a probable average cost of not less than

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$2,000 per acre. It would seem, therefore, a sound business proposition to get the greatest possible returns for this expenditure of money. Not to use them in winter is to lose much that would be of benefit.

What has been said regarding skating could equally well be said of hockey playing, curling, coasting, snow-shoeing, skeeing, toboggan sliding, walking, riding, snow moulding, and similar winter sports.

Many people brought up in the city have yet to learn the use of outdoor life during the winter months, for the pleasure and benefit of using them in the cold winter is equally as great as their use in the summer. Public parks are all the year round usable and desirable. Most city people have yet to form the habit of using parks in winter, but the habit once formed will be found an ever, increasing addition to our health and happiness. Winters are not (especially to the young) to be avoided and dreaded, but are to be used and enjoyed.

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Believing there are times when many desire to know the name and address of those who have charge of the park work and lands of this department, I now give the names and addresses of such employees:

MR. H. G. CLARK, 40 Annawan Street.
Engineer and Designer.

MR. FRANK D. SARGENT, 333 Vine Street.
Foreman Construction work.

MR. ALEXANDER CUMMING, Elizabeth Park.
Forester.

MR. PETER ZUGER, Elizabeth Park.
Head Gardener.

MR. NEILS C. DUE, 99 Babcock Street.
Foreman, Bushnell, Ancient Cemetery, Lafayette, Washington Green.

MR. CHRISTEN NELSON, 851 Park Street.
Foreman Elizabeth Park and Sigourney Square.

MR. EMILE CLAUDEL, 45 Hamilton Street.
Foreman Pope, Rocky Ridge Parks.

MR. JOHN GAGHAN, Riverside Park.
Foreman Riverside Park.

MR. THOMAS HALLETT, 638 Fairfield Avenue.
Foreman Campfield, Goodwin Park.

MR. EDWARD NORBERG, Colt Park.
Foreman Colt Park, Barnard, Buckingham, Franklin

MR. THOMAS GUNNING, 103 Babcock Street.
Charge Tennis Courts on Putnam Street.

MR. J. J. STAFF.
Charge Tunnell Park and Village Green.

Yours respectfully,

G. A. PARKER.

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APPENDIX A.

AMENDING THE CHARTER OF THE CITY OF HARTFORD.

Resolved by this Assembly:

SECTION 1. That the public parks of the city of Hartford, now in existence, and those which may hereafter be established, whether within or without the corporate limits of said city, together with all park property which may be acquired, shall be under the management, care and control of a board under the name and style of the Board of Park Commissioners. Said Board shall consist of ten persons to be appointed as hereinafter provided, and the Mayor of the city, who shall be *ex-officio* a member of said Board. Five members of this Board shall be the Park Commissioners of the present commission, who shall serve out the term of office to which they have hitherto been appointed. These five Commissioners with the Mayor of the city, shall, on or before the first day of May, 1895, by a majority vote, appoint five other members of said Board with the advice and consent of the Board of Aldermen, and whose several terms of office shall begin at the date of their appointment; the first to serve for a term of six years, the second for a term of seven years, the third to serve for a term of eight years, the fourth to serve for a term of nine years, the fifth to serve for a term of ten years, and until their successors in office have been appointed

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and qualified. At the expiration of the term of office of each of the aforesaid ten Commissioners, his successor in office shall be appointed by a majority vote of the Board, by and with the consent and advice of the Board of Aldermen, to serve for a term of ten years, and until his successor in office has been appointed and qualified. But any member of said Board who shall be hereafter appointed to serve for the full term of ten years shall not at the expiration of such full term, be eligible for re-appointment to succeed himself. Any vacancy which may occur, through death, resignation or otherwise, may be filled for the unexpired term by a majority vote of the Commission and the approval of the Board of Aldermen. No compensation for services on said Commission shall be allowed to any member thereof, except to the secretary. Each Commissioner, however, shall be entitled to receive his actual disbursements for necessary expenses in the performance of any duty imposed upon him by the direction of the said Board of Commissioners. The office of any one of the said Park Commissioners who shall not attend the meetings of the Board for three successive months, after having been duly notified of such meetings, without reason therefor satisfactory to said Board, or without leave of absence from said Board, shall by said Board be declared vacant; and they shall proceed to fill the vacancy for the unexpired term, as hereinbefore provided.

SEC. 2. The said Board of Park Commissioners shall annually, in May, choose one of their number to be president of the Board, and another as vice-president; and the said Board shall elect a secretary, who, in the discretion of the Board, may be one of their own number, at a salary not exceeding five hundred dollars per annum; but the said salary, and all other expenses of the Commission, shall be paid out

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of the annual appropriation. At all meetings, except such as are especially called for the appointment of a Commissioner, six shall constitute a quorum for the transaction of business. At no meeting shall it be proper to proceed to the appointment of a new commissioner unless the Mayor of the city be present; and at all meetings called for this purpose the Mayor shall preside and certify to the appointment before it be transmitted to the Board of Aldermen for their consent. The said Board of Park Commissioners shall have full and exclusive power to make rules and by-laws for the orderly transaction of their business. The Board shall keep an accurate record and books of account, and shall annually transmit to the Court of Common Council a full and detailed report and statement of all its acts and doings together with a complete and itemized account of all receipts and disbursements. The books of account and records of the Board shall at all times be open to the inspection of the Mayor, and subject to an annual audit by the proper municipal officer. It shall be the duty of the Mayor, or other proper municipal officer, to assign a suitable and convenient office, in some public building, to the use of the Board of Park Commissioners, with proper vault or safe for the protection of their books and papers; and until such office is provided, to the satisfaction of said board, they are hereby authorized to rent an office at an expense of not more than fifty dollars per month. Said Board shall have power to appoint or employ such superintendents, engineers, architects, and other officers and employes as it may deem necessary, and shall prescribe and define their respective duties, powers, and authority, and shall fix and regulate the compensation to be paid to the several persons so employed.

SEC. 3. The Board constituted as aforesaid, shall have the care, management, and control of all parks and grounds

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used for park purposes, all boulevards, connecting parks and structures thereon, and parkways, now or hereafter owned by or in control of the city of Hartford, within or without the corporate limits of the city, and may give proper designating names thereto. The Board shall have power to acquire, and the city of Hartford to hold, property, whether within or without the corporate limits of said city, for the purpose of establishing public parks and squares, or the enlarging of existing parks, or for boulevards, connecting parks, or parkways, by condemnation, or by contract for the same; to accept conveyances thereof; to receive gifts, donations, or devices of land or other property for park purposes; to lay out and improve with walks, drives, and roads, to build necessary culverts and bridges, to drain, plant, and otherwise at their discretion to improve and adorn the parks and other property thus held or acquired by said Board, to erect such buildings as may be needed for the purposes of administration, or for the use, protection, and refreshment of the public; *provided, however,* that in no case shall any expenditure be made in excess of the amount previously appropriated. The said Board shall have power to make and alter, from time to time, all needful rules and regulations for the maintenance of order, safety, and decency in said parks, both within and without the limits of the city, and to affix penalties for disobedience thereto; which rules and regulations shall have the force of ordinances of the city of Hartford; *provided,* that no such rule or regulation shall be of any effect unless it shall have been first approved by the Board of Aldermen, and then published in full in one or more of the daily newspapers published in Hartford, and also printed and posted in conspicuous places within the limits of the property to which such regulation is intended to apply. For the purpose of enforcing such rules and regula-

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tions, all such parks and property, whether within or without the limits of said city, are hereby placed under the police jurisdiction of the city of Hartford; and complaints for the violation of such regulations may be made by the prosecuting attorney to the police court of said city. Any member of the police department may arrest, without warrant, in any of such parks or places, whether within or without the limits of the city of Hartford, any person who has broken any park rule, or committed any other offenses in said park; and the police court of Hartford shall have jurisdiction of all misdemeanors committed within the limits of said parks.

SEC. 4. The said Board of Commissioners shall have sole power to determine the places in said parks and parkways, and in other property under their control, where sewers, gas, and water pipes shall be laid; and no trench, for these purposes, shall be opened until the Commissioners shall have designated the location of the same, and given permission in writing. No telegraph, telephone or electric light wires, or other wires, or posts or supports therefore, shall be erected in, upon, through, or over said parks or parkways, without the consent in writing of said Board, who shall designate the place and the manner of erecting and maintaining the same, to be altered at such time and in such manner, and under such conditions as the said board may deem best.

SEC. 5. All real and personal estate of the city, used for park purposes, within the limits of any other town, shall be exempted from taxation.

SEC. 6. For the purpose of providing necessary funds for the purchase or improvement of lands for park property, and for such other purposes as are herein provided for, the city of Hartford is hereby authorized and empowered to issue

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its bonds to any amount not exceeding three hundred thousand dollars, payable in not more than fifty years from their dates, and bearing interest not exceeding four per centum, per annum, payable semi-annually, in such manner and form as shall be determined by the Mayor and the Board of Common Council of said city. And within thirty days after the passage of this act, the Mayor of said city shall submit to the qualified electors of the city the proposition to issue the bonds to the city to the amount aforesaid, the proceeds of the sale of which shall be exclusively applied, under the direction and at the discretion of the Board of Park Commissioners, to the acquisition, layout and improvement of land for public parks, parkways or boulevards, established as approaches to, or for the purpose of connecting parks, and for the other purposes set forth in section three; but the said Board shall make no expenditure of said proceeds or contract of expenditure thereof, involving liability to the city of Hartford exceeding the amount of the bonds thus issued. Such election shall be conducted, and the result determined, as in other city elections.

SEC. 7. For the purpose of providing necessary funds for the care and improvement of park property, to meet the expenses of the Board of Park Commissioners, the Court of Common Council of the city shall, in each year, levy and cause to be collected a tax of not less than five cents upon each one hundred dollars of value of all the property within the city taxable for municipal purposes. All moneys collected and arising from said tax shall be paid by the tax collector, or other officer collecting the same, into the treasury of the city and shall be deemed, thereupon, appropriated and set apart for the maintenance, preservation, and improvement of said parks and grounds; and shall be paid out by the city treasurer upon

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warrants signed by at least three members of the said Board of Park Commissioners.

SEC. 8. The said Board of Park Commissioners shall have power to connect any public park under its control with any other park over which it has jurisdiction, by a boulevard or parkway; and whenever, in their judgment, necessary, they may designate, as such, any existing highway, or parts thereof, which shall thereupon be deemed a part of said parkway; but the same shall remain under the control of the city authorities now having jurisdiction thereof.

SEC. 9. The term "park property" includes all parks, squares, and areas of land within the management of said Board; and all buildings, structures, improvements, seats, benches, fountains, boats, floats, walks, drives, roads, trees, plants, herbages, flowers, and other things thereon, and enclosures of the same; and all shade trees on streets or thoroughfares, resting places, watering stations, playgrounds, parade grounds, or the like; and all connecting parkways and roads or drives between parks; and all avenues, roads, ways, drives, walks, with all trees, shrubbery, vines, flowers, and ornaments of any description; and all birds, animals, or curiosities, or objects of interest or instruction, and all tools and implements, placed in or on any of such enclosures, ways, parkways, roads or places; and said included terms shall be liberally construed.

SEC. 10. No member of said Board of Park Commissioners shall be concerned in any contract with the said Board, or any of its departments or institutions, either as contractor, sub-contractor, bondsman, or party directly or indirectly interested. If any member of the Board be the owner of, or interested in, any property necessary, in the opinion of a ma-

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jority of the other members of the Board, to be taken for park purposes, then proceedings shall be by condemnation, and such facts of ownership and interest shall be fully set forth in the petition.

SEC. 11. The Board shall not be compelled to accept any gift or offer of land which, in its judgment, is unsuited for park purposes, or the improvements of which would entail any injudicious outlay.

SEC. 12. The said Board, shall at its discretion, have power to lease any buildings or land not needed for immediate improvement, for a term not to exceed three years; the proceeds to be paid into the city treasury, and to be placed at the disposal of the said Board as an addition to the annual appropriations.

SEC. 13. Real and personal property may be granted, bequeathed, devised, or conveyed to the said city, for the purpose of the improvement or ornamentation of said parks or approaches, or for the establishment or maintenance therein of museums, zoological or other gardens, collections of natural history, observatories, monuments, statues, fountains, or other works of art, upon such trusts and conditions as may be prescribed by the grantors or devisors thereof, and accepted by the Common Council of said city. All property so devised, granted, bequeathed, or conveyed, and the rents, issues, profits, and income thereof, shall be subject to the exclusive management, direction, and control of the said Board of Park Commissioners.

SEC. 14. The said Park Commission on behalf of the city of Hartford, shall have power to take, by condemnation, land for park or parkway purposes; and if the said Park Commission cannot, for any cause, agree with the owner or owners

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of any land which they shall decide to take for public park purposes, whether within or without the limits of the city of Hartford, as to the compensation to be paid therefor, damages which will accrue to such owner or owners by such purpose and the compensation for such lands in view thereof, shall be estimated and determined by three appraisers, to be appointed by the superior court of Hartford county, or any judge thereof, on application of said Park Commissioners, after reasonable notice of such application shall have been given to such owner or owners. Said appraisers shall notify all parties in interest of the time and place of hearing, and shall make return in writing of their appraisal and award to the clerk of the superior court, who shall record the same; and the amount of such award shall be paid by said Park Commission within sixty days after the filing of such award, or, in the case of an appeal, after the final award in the premises, out of any funds at their disposal, other than the annual appropriation, to the person or persons entitled thereto, or deposited to the order of such person or persons with the treasurer of the city of Hartford. But either party may, within sixty days, appeal to the superior court, or any judge thereof, to set aside such award, and to order a re-hearing for irregularity or improper conduct connected with such hearing and appraisal.

The fees of the appraisers and of the clerk shall be paid by the Park Commission from the funds aforesaid; and the lands embraced in the application shall not be occupied by the Park Commission, or sequestered for park purposes, until the compensation therefor as finally awarded or agreed upon shall have been paid to the person or persons entitled thereto, or received to his or their satisfaction, or deposited with the treasurer of the city of Hartford to his or their use.

All the owners of different tracts of land which are con-

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"SEC. 15. The bonds authorized in the sixth section of this act shall be prepared by the city treasurer of Hartford, and shall be issued by him from time to time in such amounts as the Park Commission shall require. Such bonds shall in no case be sold or disposed of for less than par, and the avails of such as shall be issued shall be kept by the city treasurer as a special fund, subject to the order of the Park Commission, and shall be paid by him only on such orders."

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APPENDIX B.

RULES AND REGULATIONS.

The Board of Park Commissioners, by virtue of the authority vested in them, hereby make and ordain the following rules and regulations for the management of the parks owned by or under control of the city of Hartford. Any person who shall violate any of the following rules and regulations, "shall forfeit and pay for the use of the city treasury a fine not exceeding thirty-five dollars, ($35.00).

It is forbidden:—1st. To enter or leave any Park, except by the regular approaches thereto; to walk upon any grass border of any flower garden, walk, or driveway; to walk among or through shrubs, flowers, or other plantings, or to cross any lawn in any Park whenever a notice shall be conspicuously posted forbidding such crossing.

2nd. To climb, or get upon any tree, statue, fountain, fence, gate, gateway, or railing in any park, or to use any structure therein in any way other than that for which it was intended.

3rd. To remove, cut, break, or otherwise injure, any tree or shrub, or any part thereof; to cut, pluck, or otherwise remove, any blossom or other part of any plant or flower in any Park.

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4th. To cut, write upon, deface, defile, or otherwise injure any building, bridge, fence, statue, fountain, seat, gate, gateway, or other structure, upon any Park.

5th. To permit any dog to pass over or to stay upon any Park where sheep are pastured or kept, unless led by a cord or chain, not exceeding six (6) feet in length, or to permit any other animal to pass over or stray upon any Park area, but this provision shall not apply to horses when ridden or driven in harness, along the Park roadways.

6th. To throw any stick, stone, or other missile on any portion of any Park.

7th. To scatter or leave upon any Park any paper, rag, garbage or other litter.

8th. To void any urine, dung or other excrement, within the limits of any Park, excepting in such place or apartment as is, or shall be, specially provided for such purpose; and in the latter case, it is forbidden to use or enter any apartment established for persons of the opposite sex exclusively.

9th. To discharge or carry firearms, firecrackers, torpedoes, or fireworks, but this prohibition shall not apply to the display of fireworks under municipal authority; to make any fire; to have any intoxicating beverage; to sell, offer, or expose for sale any goods or wares, except under a written license from the Board of Park Commissioners; to post or display any sign, placard, flag, or advertising device without such license; to solicit any subscription or contribution; to play any game of chance, or to have possession of any instrument of gambling; to make any oration, harangue, or loud outcry; to utter profane, threatening, abusive, or indecent language, or to do any obscene or indecent act; to bathe or fish; to solicit the acquaintance of, or follow, or otherwise annoy any other visitor.

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10th. To drive or propel any bicycle, tricycle, automobile, or other vehicle, wheelbarrow, or handcart, on any Park, excepting on regular carriage roads; to skate or slide upon or across any walk upon any Park; or to slide or coast on any driveway.

11th. To ride or drive any horse, bicycle, automobile or other vehicle, or team, at a rate faster than six (6) miles an hour; to drive or lead any heavy team, business wagon, or cart upon any Park driveway or carriageway, excepting upon Park business.

12th. To take or molest any bird, fish, frog, or any live animal, or bird's eggs, or in any way interfere with any bird's nest, or with any cage, box, place or enclosure for the protection of any bird, fish, or any live animal.

13th. To sleep upon, lie upon, or overturn, any seat upon any park.

14th. For any men to occupy any seat designated as reserved for women and children.

15th. To play ball or any other games in any public Park except upon such portions thereof as may be set apart for that purpose.

16th. To deface or injure any notice placed by the Park Commissioners upon any Park.

The foregoing are in addition to such prohibitions and penalties as are provided by the laws of this state and the ordinances of this city.

Board of Park Commissioners,

GEORGE A. FAIRFIELD, *President.*

Attest, FRANKLIN G. WHITMORE, *Secretary.*

Hartford, January 6, 1902.

Adopted by Board of Common Council, February 10, 1902.

Approved by Mayor, February 11, 1902.

ALEXANDER HARBISON, *Mayor.*

Attest, HENRY F. SMITH, *City Clerk.*

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GENERAL STATUTES, 1888.

SEC. 1425. Every person who shall injure or destroy any tree growing on any *public square or grounds,* without the consent of the city, borough, or town, where the same is situated, or shall wilfully injure the fences or herbage of any such public square or grounds, shall be fined not more than fifty dollars.

SEC. 1426. Every person who shall wilfully injure any statue, monument, chair, or other seat, or any lamp or lamp-post, constructed or being in any *highway, public space, or park;* or any railing or fence erected for public use, or inclosing any such space or park; or any walk or crossing for foot passengers; or any sewer, curbing, or paved gutter, shall be fined not less than ten, nor more than fifty dollars, or imprisoned not less than seven, nor more than thirty days, or both.

ACT OF 1885, CH. LXVIII.

[This Act simply erases the words, "less than ten, nor," and the words, "less than seven, nor," from the Section 1426, quoted above.]

GENERAL STATUTES.

SEC. 132. Any town may lay out, inclose, and improve any lands belonging to it, not in any incorporated city, for a public square or common; and may purchase any land within its limits for that purpose.

ACT OF 1897, CH. LII.

SEC. 1. No barbed wire shall be used in the construction of fences, or retained upon existing fences, connected with or enclosing the grounds of any public school, or other public building, *public park,* or cemetery in this state.

SEC. 2. Any person who shall violate the provisions of this Act shall be fined not more than one hundred dollars.

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RESOLUTION AUTHORIZING THE MAYOR OF THE CITY OF HARTFORD TO APPOINT SPECIAL POLICEMEN.

Passed General Assembly, January Session, A. D., 1905.

Resolved by this Assembly:

SECTION 1. That the mayor of the city of Hartford may, from time to time, upon the application of any society, association, or corporation, or upon the application of the Board of Park Commissioners, located within the said city, appoint and commission in writing as special policemen, one or more persons designated by such society, association, or corporation, or by said Board of Park Commissioners, which person or persons, having made the oath required of members of the police force of the city of Hartford, may act as policemen in and upon the buildings, grounds, and premises in charge of such society, association, or corporation, or park department, at whose instance the appointment or appointments shall be made. All appointments so made shall be revocable at the pleasure of the mayor, and such appointees shall receive no pay for their services as such special policemen except from such society, association, or corporation, or park department.

SEC. 2. Each special policeman so appointed shall, when on duty, wear in plain view a shield bearing the words "Special Policeman" and the name of the society, association, corporation, or department for which he is appointed.

SEC. 3. Each special policeman so appointed shall, in or upon the buildings, grounds, and premises in the city of Hartford in charge of the society, association, corporation, or department for which he is appointed, have the same powers as to the maintenance of the peace, service of criminal process, and arrest of offenders as are possessed by policemen of the city of Hartford, or by constables of towns, and shall have power to bring such offenders before the proper authority.

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APPENDIX C.

OFFICERS ELECTED MAY, 1906.

PRESIDENT,
HENRY FERGUSON.

VICE-PRESIDENT,
LEWIS C. GROVER.

SECRETARY,
FRANKLIN G. WHITMORE.

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Present and Former Park Commissioners.

The following is nearly a correct list of the actual terms of service of each of the Park Commissioners. But as there were some resignations and deaths in office, and some appointments for filling unexpired or short terms, it is difficult to determine, precisely, the periods actually served by each.

*William L. Collins, 1860 to 1865; *President.*
George Beach, 1860 to 1864; 1866 to 1869; *President.*
James L. Howard, 1860 to 1863; 1865 to 1867; *President.*
Gurdon W. Russell, 1860 to 1862; 1880 and still in office.
*Charles F. Pond, 1860 to 1861.
*Gustavus F. Davis, 1860 to 1861.
*H. Tudor Brownell, 1861 to 1865.
*Charles H. Northam, 1862.
*Edward H. Brinley, 1863 to 1864.
*James C. Jackson, 1863 to 1868.
*Thomas Belknap, 1864 to 1868.
*George S. Lincoln, 1865 to 1870.
Samuel V. Woodruff, 1866 to 1871.
*Alpheus F. Snow, 1867 to 1871.
*Normand Smith, 1869 to 1873.
*Frederick S. Brown, 1870 to 1881; *President.*
*Edward H. Fenn, 1872 to 1881.
*Leverett Brainard, 1872 to 1876.
*Charles Dudley Warner, 1873 to 1883; 1897 to 1901.

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*Abraham Hollander, 1874 to 1879.
*Stiles D. Perry, 1877 to 1882.
*Richard D. Hubbard, 1879 to 1883.
*Samuel R. McNary, 1880 to 1883; *President.*
Francis Goodwin, 1880 to the present time; *President.*
Frank L. Howard, 1883 to 1888.
*Sherman W. Adams, 1884 to 1896; *President.*
John H. Brocklesby, 1884 to 1889.
*Joseph Hall, 1889 to 1894.
Edwin P. Parker, 1893 to 1896.
William DeLoss Love, Jr., 1894, still in office; *President.*
*Leverett Brainard, *ex-officio,* 1895 to 1896.
Charles E. Gross, 1895, still in office; *President.*
Willis I. Twitchell, 1895; *President.*
Lucius F. Robinson, 1895; *President.*
George H. Day, 1895; *President.*
Patrick Garvan, 1895; *President.*
Miles B. Preston, 1896; *ex-officio.*
*James F. Dudley, 1896 to 1897.
George A. Fairfield, 1898 to 1908; *President.*
Willie O. Burr, 1901 to 1906.
Alexander Harbison, 1900 to 1902; *ex-officio.*
Ignatius A. Sullivan, 1902; *ex-officio.*
William F. Henney, 1904; *ex-officio.*
Lewis C. Grover, 1904 to 1914.
Philander C. Royce, 1905 to 1915.
Henry Ferguson, 1903 to 1907.
Herbert Knox Smith, 1903 to 1906.

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*Deceased.

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REPORT

OF THE

Joint Standing Committee

ON

Cemeteries

To April 1, 1906.

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REPORT

HARTFORD, Conn., March 26, 1906.

To the Honorable Court of Common Council of the City of Hartford:

GENTLEMEN: — Your Joint Standing Committee on Cemeteries respectfully submits the following report for the year ending April 1st, 1906.

On June 1st, 1905, Mr. Matthew Montgomery succeeded Mr. David Blevins as Superintendent of the Zion Hill Cemetery. Under Mr. Montgomery's supervision the cemetery has materially improved. It is now in better condition than it has been for years. Both of the Superintendents, Mr. Montgomery, and Mr. R. D. Lane who has charge of The Old North Cemetery, are valuable and efficient in their respective positions. Because of the yearly change in the personal of the Cemeteries Committee, it is most desirable that the Superintendents upon whom falls most of the practical work of managing the city burying grounds, should be capable men, as are the present encumbents.

In the Zion Hill Cemetery the fences have been repaired, the drives and turf improved, and the office repaired and painted. Several conditions, however, retard the improvement of its appearance. One is the neglect and indifference of the owners of some of the Jewish burial plots to the condition of those plots. The fences enclosing them are particularly objectionable, because of a want of uniformity. Now that the main cemetery has been bettered, an effort should be made to induce the various owners of the Jewish burial plots to make the necessary repairs and improvements, corroborating with the Superintendent in an effort to maintain a credibly appearing cemetery. Your committee suggests to the incoming committee that it take up this matter with the

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owners of the Jewish burial plots at an early date that the work of improvement may be commenced this Spring.

Another barrier to the development of the Zion Hill Cemetery is the need of a suitable fence. At present the cemetery is open to trespassing from two sides, and the other sides are insufficiently protected. A project to secure fence protection was, during the present fiscal year, rejected by the Board of Finance for reasons of economy, and another ultimately more expensive plan substituted — that of employing extra police protection during the summer months. A request that the expense of building the needed fences be included in the estimates for next year also died at the hands of the Board of Finance like the other plans of your committee for the improvement of the City Burying Grounds. The moral, if not legal, obligation of the city to safeguard its cemeteries, upon the strength of which lots have been purchased and the dead buried, should move the city to build the necessary fences at once, notwithstanding the policy of economy of the Board of Finance.

The Old North Cemetery continues in the same condition as it has always existed during Mr. Lane's administration, — excellent. Most of the lots have been disposed of. There remains, however, a considerable area which, if filled in, would add many saleable lots. During the present year your Committee has caused some of the land to be filled in and graded, purchasing the filling and using ashes supplied by The Edward Balf Company without charge. Your committee regrets that the usual estimate for this purpose has not been provided for the incoming year because, as good filling can not always be purchased, a fund should be available when the opportunity presents itself for securing the same.

A large portion of the Mt. Pleasant Addition to the Zion Hill Cemetery has been graded and most of the drives laid out and developed. By vote of the committee, one of its members, Councilman Frank W. Whiton, was constituted a Committee for the purpose of supervising this work. The sum of $1,000 devoted to this purpose has been expended. The work accomplished is a satisfactory return for the money invested. Like the rest of the cemetery, however, the Addition has insufficient fence protection and is wide open to trespassers.

The committee has devoted much attention to clearing up the titles to lots purchased some years ago, when no accurate record of sales was kept. A number of these difficulties have been disposed of. Some provision should be made during the next year to locate the owners of lots

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in the Mt. Pleasant Addition under the old layout and induce them to accept in lieu of their present holdings, lots in accordance with the new layout.

Recently the rules relating to the care and management of City Cemeteries were revised by the Committee and a copy of the rules as amended is herewith annexed. It would be advisable to have the rules printed, that copies may be circulated among the lot owners and undertakers, and appended to the deeds when lots are purchased. Your Committee also recommends that a plot be prepared of each cemetery showing the same in one view. The absence of such a map has resulted in some confusion in the Zion Hill Cemetery.

Inasmuch as the Old South Burying Ground, which has been placed in good condition during the past year, is of no practical value to the committee, and contains no marketable lots, the committee recommends that the control of this cemetery be transferred to the Board of Park Commissioners. This old cemetery is of some historical value and in your committee's opinion could be more effectively preserved at less cost by the Board of Park Commissioners in conjunction with its other work and its care of the Old Center Burying Ground.

A schedule of the charges for lots and services is contained in Rule 17 of the By-Laws. These charges have been materially increased during the past year, the change taking effect on February 1st, 1906. The increase was justified, in your committee's opinion, by the improved conditions of the cemeteries. At present, this department is not self-supporting, its expenses exceeding its income by several thousand dollars. However, upon the further improvement and development of the cemeteries its income can be enlarged by further increase in the prices of lots, and thus the department finally made self-supporting. Your committee trusts that this policy may be pursued in the future.

The income for the year, exclusive of the month of March, which is payable in April, has amounted to $1,727.00, a substantial increase over that of last year.

Respectfully submitted,

CEMETERIES COMMITTEE
By Geo. J. Stoner, *Chairman.*

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BY-LAWS, RULES AND REGULATIONS

Concerning the Care and Management of

CITY BURIAL GROUNDS AND CEMETERIES.

Adopted June 15th, 1896. Amended March 16, 1906.

Rule 1. All sales of lots shall be by deed. The deed shall grant to the purchaser only the right of interment upon his lot, or its use for burial purposes for himself, his family, his heirs and assigns, subject to such by-laws, rules and regulations for the care and management of City Burial Grounds and Cemeteries as are now or hereafter may be established by the City.

Rule 2. All deeds shall be executed by the Mayor of the City of Hartford.

Rule 3. The prices for lots in the City Burial Grounds and Cemeteries shall be fixed by the Committee on Cemeteries.

Rule 4. The Town Clerk shall keep a record of all deeds of lots for burial purposes, which shall show the number and size of the lot, the name of the purchaser, the date of the sale and the price paid. A map or maps of all cemetery property showing accurately the location number, and size of each lot, shall be deposited, and shall always remain in the Town Clerk's office.

Rule 5. Graves shall be opened by the Superintendent of the Cemetery, and all orders for opening graves shall be delivered to the Superintendent before nine o'clock in the morning of the day of burial.

Rule 6. Lot owners may erect proper vaults, monuments, or headstones upon their lots, subject to the approval of the Committee on Cemeteries, and all monuments and headstones shall be placed upon stone and cement foundations. Foundations for monuments must be built of solid masonry, not less than four (4) feet deep and the same size of the base of the monument, and level with the top of the ground.

Rule 7. No fence, hedge, railing or coping shall be allowed to enclose a lot, or any portion thereof, and in the Mt. Pleasant addition to the Zion Hill Cemetery, no mere-stones or corner stones, or lot markers of any character or description shall project above the turf. In said Mt. Pleasant Addition grave mounds shall be uniform and not exceed six (6) inches in height.

Rule 8. Lot owners shall erect at their own expense, upon their lots, such mere-stones or land-marks as the Committee on Cemeteries may require.

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Rule 9. Lot owners may set out shrubs and plants upon their lots, under the advice and control of the Superintendent of the cemetery; but the right is reserved to remove at any time, such shrubs, plants, trees, monuments, or inscriptions, as may be found to be in any way objectionable or injurious. All rubbish collected on private lots must be removed to such places of deposit as are provided for the purpose. In case of failure to do so, it will be removed at the expense of the lot owner. No boxes containing pictures, artificial flowers, or boxes of any kind, shall be allowed to be placed on any lot or grave.

Rule 10. All workmen in the construction of vaults, erection of monuments, or work of any kind by lot owners, shall carry on and conduct said work in accordance with the Rules and Regulations of the Cemetery.

Rule 11. No cemetery roads or drives shall be used as thoroughfares, and heavily laden teams shall not be allowed to enter any cemetery in wet weather, or when, in the opinion of the Superintendent of the same, the roads or drives are in danger of being injured; no rapid driving in any cemetery shall at any time be allowed.

Rule 12. Drivers of carriages employed at funerals shall be required to remain quietly with their teams during the ceremonies. Horses must not at any time be left unhitched within any cemetery.

Rule 13. Persons carrying firearms, or having refreshments, or accompanied by dogs running at large, shall not be allowed to enter any cemetery.

Rule 14. The main entrances to the cemeteries shall be kept open during the months of December, January, February, and March, from seven o'clock in the morning until six o'clock in the evening, and during the remaining months of the year, from seven o'clock in the morning until eight o'clock in the evening. No person shall be allowed to remain in any cemetery after the main entrances are closed. All other entrances shall be opened at the discretion of the Superintendent of the Cemetery.

Rule 15. The grading of all lots in city burial grounds and cemeteries shall be regulated by the Superintendent of the cemetery, and shall conform to the natural grade or such as is established by the committee.

Rule 16. It shall be the duty of every Superintendent of a cemetery to eject therefrom any person who shall violate any of the foregoing Rules and Regulations, or who shall disturb the quiet and good order of any cemetery by noisy or other improper conduct.

Rule 17. The charges for lots, graves and services in the City Burial Grounds and Cemeteries shall be as follows:

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SINGLE GRAVE LOT AND GRAVE.

Box under 2 feet 6 inches,	$4 00
Box 2 feet six inches to 4 feet 6 inches,	6 00
Box 4 feet 6 inches and over,	10 00

FOR OPENING GRAVES IN FAMILY LOTS.

Box under 2 feet 6 inches,	$2 00
Box 2 feet 6 inches to 4 feet 6 inches,	3 00
Box 4 feet 6 inches and over,	4 00
Grave for brick vault,	6 00

DISINTERMENT.

Box under 2 feet 6 inches,	2 00
Box 2 feet 6 inches to 4 feet 6 inches,	3 00
Box 4 feet 6 inches and over,	5 00

TOMB CHARGE.

Receiving body,	$1 00
Per month,	1 00

LOTS IN OLD NORTH CEMETERY.

16 ft. x 20 ft.,	$80 00
10 ft. x 20 ft.,	40 00
8 ft. x 20 ft.,	40 00

LOTS IN ZION HILL CEMETERY.

20 ft. x 20 ft.,	$70 00
10 ft. x 20 ft.,	35 00
10 ft. x 10 ft.,	18 00

MT. PLEASANT ADDITION.

Lots 10 ft. x 20 ft. $50.00 to $100.00, depending upon location.

For Sunday burials there is an extra expense of $1.00, except when immediate interment is ordered by The Board of Health.

By vote of the Joint Standing Committee on Cemeteries,

GEO. J. STONER, *Chairman.*

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REPORT

OF THE

Board of Finance

With Recommendations and Estimates for 1906-1907.

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REPORT.

HARTFORD, CONN., March 12, 1906.

To the Honorable Court of Common Council,

GENTLEMEN: In accordance with an act of the General Assembly passed at its January session, 1905, amending the charter of the City of Hartford, the Board of Finance submits herewith its report of estimated receipts and expenditures of the City of Hartford for the ensuing fiscal year.

The appropriations asked for by the various departments reached a total of $1,635,683.33, which, if allowed would have necessitated an addition of one mill to our present tax rate of 18 mills. After consultation with the various Commissions and Departments we have felt justified in revising the estimates and are of the opinion that with proper care and economy we have allowed sufficient funds for the proper maintenance and economic administration of the several departments.

The grand list of October 1, 1905, as reported by the Board of Assessors amounts to $64,900,000, the Farm List to $650,000. We respectfully recommend that a tax rate of eighteen (18) mills be laid on the Grand List. The maximum tax rate that can be laid on the Farm List is six (6) mills. We estimate the revenue from all other sources will amount to $400,700.

ESTIMATED RECEIPTS.

18 mill tax on Grand List $64,900,000, . .	$1,168,200.00
6 mill tax on Farm List $650,000, . . .	3,900.00
Other Sources, ...	400,700.00
Total estimated receipts, ...	$1,572,800.00
Against which we recommend appropriations amounting to, ...	$1,533,968.75
And a contingent fund of, ...	38,831.25
	$1,572,800.00

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A detailed statement of the estimated receipts and proposed appropriations follows:

Appropriations for salaries have been made as established by present ordinances. Provision has been made for the increased vacation time and time off of the firemen.

No appropriation has been recommended for Asylum Street repaving, pending the possibility of a new sewer.

No appropriation has been recommended for either a Parkway or highway across Pope Park, the matter not being definitely settled.

We have provided a Contingent Fund to cover the above proposed improvements and the possible increase of the regular force of Police and Fire Departments, as may be ordered by your Honorable Body and any extraordinary expenditure which may be required during the year.

Of the appropriation of $2,104,000 for the Connecticut River Bridge and Approaches, the City has expended $1,745,000. There is now due the Connecticut River Bridge and Highway District Commissioners $359,000. To meet this amount the City has cash in reserve $310,353.34. It will be necessary to raise $48,646.66 to complete payments on the appropriations.

We estimate that from the estimated amount of surplus cash which the City will have on hand at the end of the present fiscal year and with the assistance of the appropriation of $50,000, appropriated for Permanent Improvements that the city will be able to meet the following improvements already ordered, viz.:

Connecticut River Bridge (balance),	$48,646.66
Albany Avenue Improvements,	20,000.00
New steel cells at Police Station,	24,000.00
	$92,646.66
Also the cost of the proposed New Engine House and equipment in the northwest section,	$30,000.00
	$122,646.66

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In addition to the above mentioned permanent improvements, your committee believe that any expense falling on the City for the elimination of grade crossings can also be met out of the surplus carried over from the current year.

The contingent fund will have to be carefully guarded to meet any unforeseen emergencies. But with proper care all the things reasonably necessary can be done and the current expense kept within the current revenue, as has been done during the past two years.

Respectfully submitted,

WILLIAM F. HENNEY, *President,*
MEIGS H. WHAPLES,
RALPH W. CUTLER,
ALFRED P. CLIFFORD,
HENRY S. ROBINSON,
CHARLES H. ROBINS,
CHARLES H. SLOCUM,
The Board of Finance.

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APPROPRIATIONS.

CITY DEPARTMENTS.

Street Department.

Road making and repairs,	. .	$72,000.00
Grading and turnpiking,	. .	18,000.00
Sewer repairs and intercepter,	. .	5,000.00
Bridges, culverts and inlets,	. .	10,000.00
Cross and sidewalks, curbs,	. .	10,185.00
Garbage and ashes,	. . .	36,933.00
Street cleaning and snow,	. .	45,600.00
Incidentals,	. . . .	2,410.00
Office expenses,	. . . .	3,200.00
Salaries,	. . . . .	10,400.00
Salaries of district foremen,	. .	3,600.00
Electric lighting,	. . .	61,000.00
Maintenance of improved paving,	.	10,000.00
Dumping ground (last payment),	.	2,671.75
Engineering,	. . . .	12,500.00
Merestones,	. . . .	1,000.00
Ventilating manholes,	. . .	500.00
Storehouse and lot,	. . .	3,000.00
Village street paving (city's share 1/3),		1,600.00
Flushing improved pavement,	. .	500.00
		$310,099.75

The sums actually expended by this department the past few years, not including the year just ending, are as follows:

1896-7, ...	$224,647.63
1897-8, ...	248,626.33
1898-9, ...	257,091.50
1899-1900, . . .	316,469.13
1900-1, ...	305,807.74
1901-2, ...	301,495.92
1902-3, ...	329,623.28
1903-4, ...	326,687.18
1904-5, ...	317,754.52

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Fire Department.

Pay-roll,	$109,400.00	
Apparatus,	5,000.00	
Repairs, tools, coal and wood for engines,	2,500.00	
Real Estate and repairs,	4,500.00	
Furniture and bedding,	600.00	
Gas and electric light,	2,000.00	
Water and ice,	700.00	
Washing,	800.00	
Rent of Commissioners' office,	450.00	
New horses,	1,500.00	
Horseshoeing,	1,800.00	
Extra horse hire,	1,000.00	
Forage,	6,700.00	
Harness and repairs,	600.00	
Veterinary,	450.00	
Hose and repairs,	2,500.00	
Printing and stationery,	300.00	
General supplies,	2,000.00	
Wagons, trucks, hose carriages,	2,000.00	
Coal for general use,	3,200.00	
Reconstruction and extension,	1,000.00	
Telephones,	1,000.00	
Uniforms,	100.00	
Incidentals,	400.00	
Conduit,	1,500.00	
		$152,000.00

The sums actually expended by this department the past few years are as follows:

1896-7,	$104,796.62
1897-8,	107,313.65
1898-9,	99,486.33
1899-1900,	106,637.63
1900-1,	124,594.63
1901-2,	126,746.35
1902-3,	121,856.96
1903-4,	131,711.57
1904-5,	134,653.53

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Police Department.

Salaries of officers and ninety patrolmen,	$103,380.00	
Supernumerary service,	4,000.00	
Drivers,	2,000.00	
Janitor, assistant janitor, washwoman,	1,891.00	
Clerk of Board and Chief's clerk,	850.00	
Telegraph superintendent,	500.00	
Telegraph equipment,	2,900.00	
Sick time,	1,500.00	
Vacation time,	7,310.00	
Stationhouse repairs,	2,000.00	
Stationhouse supplies,	4,000.00	
Matron,	480.00	
Office expenses,	850.00	
Ambulance repairs and surgeons,	1,000.00	
Care of prisoners,	300.00	
Patrol service,	750.00	
New Ambulance,	2,850.00	
		$136,561.00

The sums actually expended by this department the past few years have been as follows:

1896-7,	$91,198.30
1897-8,	102,227.17
1898-9,	111,695.52
1899-1900,	122,802.49
1900-1,	122,994.15
1901-2,	120,936.33
1902-3,	126,909.77
1903-4,	127,498.89
1904-5,	129,593.28

Charity Department.

Almshouse,	$45,000.00	
Hospitals,	46,000.00	
Outdoor Poor,	7,000.00	
Office Expenses,	5,000.00	
Miscellaneous,	3,000.00	
		$106,000.00

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The sums actually expended by this department the past few years have been as follows:

1896-7,	$103,631.06
1897-8,	89,963.62
1898-9,	96,499.11
1899-1900,	100,000.00
1900-1,	85,719.79
1901-2,	89,602.21
1902-3,	88,878.87
1903-4,	91,000.00
1904-5,	113,383.49

Health Department.

Salaries,			$9,500.00
Milk Inspctor,	$1,500.00		
Milk Bacteriologist,	500.00		
Expense,	300.00		
		2,300.00	
Return fees,		1,025.00	
Rent,		1,200.00	
Printing, postage and stationery,		750.00	
Laboratory,		700.00	
Incidentals,		850.00	
Disinfectants,		100.00	
Vaccination,		200.00	
Burial of dead animals,		50.00	
Telephones,		130.00	
Mosquito prophylaxis,		150.00	
			$16,955.00

The sums actually expended by this department the past few years have been as follows:

1896-7,	$8,825.39
1897-8,	9,055.62
1898-9,	9,536.13
1899-1900,	10,475.47
1900-1,	12,164.54
1901-2,	11,573.66
1902-3,	27,743.39
1903-4,	18,452.80
1904-5,	15,437.47

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Park Department.

General expense,	$38,500.00	
Colt Park Maintenance and improvements,	3,000.00	
		$41,500.00

SCHOOLS.

In General.

State appropriation,	$45,000.00	
Town Deposit Fund income,	1,409.00	
One mill tax,	64,900.00	
		$111,309.00

High School.

Salaries and wages,	$66,500.00	
Library, printing, etc.,	2,250.00	
Light, fuel and water,	6,500.00	
Repairs,	2,000.00	
Manual Training,	800.00	
Evening High School,	4,750.00	
Science and Sundries,	3,000.00	
		$85,800.00

Board of School Visitors.

Evening school,	$11,500.00
Vacation school,	3,500.00
Superintendent's salary,	1,500.00
Attendance officer's salary,	1,100.00
" " expense,	250.00
Printing,	650.00
General expense,	500.00
Office rent,	400.00
Free text books, district,	7,000.00
Free text books, high,	1,800.00
Text book covers,	350.00

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Manual Training.

Salaries	$10,600.00	
Repairs,	650.00	
Material and equipment,	2,250.00	
New benches and tables (permanent equipment),	750.00	
		$42,800.00

LEGAL AND CLAIMS.

Corporation Counsel's salary,	$5,000.00	
Counsel, assistant counsel fees,	1,000.00	
Claims,	2,500.00	
Expense,	1,500.00	
		$10,000.00

POLICE COURT.

Judge,	$1,800.00	
Prosecuting Attorney,	1,600.00	
Clerk,	1,100.00	
Probation Officer,	1,460.00	
Messenger,	400.00	
Associate Judge,	400.00	
Expense,	1,000.00	
		$7,760.00

CITY COURT.

Recorder,	$2,500.00	
Clerk,	1,000.00	
Marshal,	425.00	
Messenger,	375.00	
Expense,	500.00	
Jury fees,	300.00	
		$5,100.00

PROBATE COURT.

Card indexing,	$200.00	
Steel book stack and filing case,	500.00	
Expense,	265.00	
		$965.00

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COMMON COUNCIL.

Clerk,	$400.00	
Messengers,	200.00	
Committee on Abatement of Taxes,	300.00	
Band concerts and celebration,	1,300.00	
Blocks and gavels,	105.00	
Manual for city officials,	100.00	
Indexing and printing journals,	2,200.00	
Municipal Register, Balance for 1905,	850.00	
Municipal Register, 1906,	1,100.00	
Committees and incidentals,	700.00	
Port Warden,	25.00	
		$7,280.00

PUBLIC BUILDINGS.

Janitors' salaries,	$1,800.00	
Coal, repairs, etc.,	5,000.00	
		$6,800.00

CEMETERY.

Salaries of superintendents,	$2,190.00	
Wages of helpers, Zion Hill cemetery,	1,000.00	
" " " Old North Cemetery,	1,000.00	
General Expenses,	300.00	
Improvement of Mt. Pleasant addition,	750.00	
		$5,240.00

PUBLIC BATH.

Balance of appropriation preparing for winter storage,	$570.00	
Painting and repairs,	300.00	
Fenders and approach,	200.00	
Insurance,	100.00	
Towels and soap,	400.00	
Expense,	50.00	
Salaries,	800.00	
		$2,420.00

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WATER.

1022 Fire hydrants at $15,	$15,330.00	
7 Drinking fountains at $60,	420.00	
3 Drinking fountains at $30,	90.00	
5 Drinking fountains at $20,	100.00	
		$15,940.00

PUBLIC LIBRARY.

We recommend an appropriation for this purpose of . $12,500.00

ADVERTISING.

The Controller believes that the sum of $4,500.00 will be sufficient for this purpose, and we therefore recommend that amount, ... $4,500.00

POLICE RESERVE AND FIREMEN'S RELIEF FUNDS.

Based on estimated receipt of $70,000, from County Commissioners for liquor licenses.

Police Reserve Fund, 5%,	$3,500.00	
Firemen's Relief Fund, 5%,	3,500.00	
		$7,000.00

MILITARY COMMUTATION TAX AND ENROLLMENT.

8,475 persons liable to tax at	$16,950.00	
Less 10% rebate for uncollected taxes,	1,695.00	
		$15,255.00
Enrollment,		600.00
Abstract and book,		90.00
		$15,945.00

COUNTY TAX.

Grand List of 1904,	$63,479,996.00	
Addition by Board of Equalization,	12,000,000.00	
	$75,479,996.00	
One quarter of a mill tax,		$18,870.00

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LIQUOR PROSECUTIONS.

We recommend for this purpose, . . .		$1,000.00

MAYOR.

Salary, ...	$3,000.00	
Stenographer, ...	416.00	
Expense, ...	384.00	
		$3,800.00

COLLECTOR.

Salary, ...	$3,600.00	
Clerks, ...	4,650.00	
Expense, ...	2,715.00	
		$10,965.00

TREASURER.

Salary, ...	$3,600.00	
Clerk, ...	1,800.00	
Surety bonds for officials, . .	600.00	
Expense, ...	500.00	
		$6,500.00

CONTROLLER.

Salary, ...	$2,100.00	
Clerk, ...	1,000.00	
Expense, ...	500.00	
		$3,600.00

CITY CLERK.

City Clerk, ...	$2,000.00	
Assistant Town Clerk, ...	1,500.00	
Clerk-hire, as regulated by ordinance,	600.00	
Messenger, ...	60.00	
Expense, ...	1,979.00	
		$6,139.00

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ASSESSORS.

Salaries,	$6,600.00	
Board of Relief,	1,600.00	
Clerk,	1,000.00	
Expense,	700.00	
Maps,	500.00	
Rate-maker,	400.00	
		$10,800.00

REGISTRARS.

Salaries,	$4,800.00	
City and State election officials,	1,500.00	
Clerk,	400.00	
Printing,	2,100.00	
Incidentals,	150.00	
		$8,950.00

SELECTMEN.

Rental of 11 voting booths for two elections at $1,320.00,	$2,640.00	
Registration of New Electors, 2 days in March and 9 days in October and November,	660.00	
Meetings of the Board,	450.00	
Printing for voting machines,	200.00	
Town Clerk, preparing for two elections, etc.,	200.00	
Insurance, voting machines,	100.00	
Storage, " "	100.00	
Demonstrating "	200.00	
Mechanic and Assistant,	100.00	
Fence-viewings,	100.00	
Carting expenses,	60.00	
Carriages,	50.00	
Clerks and cardwriters,	90.00	
		$4,950.00

MARSHAL.

Salary,	$500.00	
Expense,	50.00	
		$550.00

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BUILDING INSPECTOR.

Salary,	$2,500.00	
Assistant,	1,000.00	
Clerk,	400.00	
Horse hire,	300.00	
Expense,	385.00	
		$4,585.00

SEALER OF WEIGHTS AND MEASURES.

Salary,	$1,000.00	
Clerk,	500.00	
Care of charcoal baskets,	125.00	
Office expense,	225.00	
		$1,850.00

CONNECTICUT RIVER BRIDGE — MAINTENANCE ACCOUNT.

Hartford's proportion of maintenance,	$15,000.00

EAST SIDE FLOOD PROTECTION.

Engineering investigation,	$3,000.00

INTEREST.

Bonded Debt.

Water bonds at 4%,	$675,000.00	$27,000.00
Consolidated bonds at 3%,	750,000.00	22,500.00
Funding bonds at 4%,	290,000.00	11,600.00
Public Improvement bonds at 3½%,	250,000.00	8,750.00
Refunding Capitol bonds at 3½%,	800,000.00	28,000.00
Refunding Town bonds at 3½%,	270,000.00	9,450.00
Police Dept. Bonds at 3½%,	75,000.00	2,625.00

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Park Improvement bonds at 3½%,	300,000.00	10,500.00	
Paving bonds at 3½%,	220,000.00	7,700.00	
High School and Bridge bonds at 3½%,	200,000.00	7,000.00	
Conn. River Bridge bonds at, 3½%,	1,000,000.00	35,000.00	
Conn. River Bridge bonds at 3½%,	1,000,000.00	35,000.00	

Permanent Improvement and Floating Debt.

Town Deposit Fund note, 6%,	$23,481.00	$1,409.00	
Permanent Improvement note, 3½%,	225,973.00	7,501.00	
			$214,035.00

PERMANENT IMPROVEMENTS.

We recommend an appropriation of $50,000.00 to be applied by the City Treasurer under direction of the Board of Finance, to new permanent improvements or liquidation of the permanent improvement debt.

The permanent improvement debt has amounted to the following sums the past few years:

April 1, 1897,	$74,200.00
April 1, 1898,	90,474.00
April 1, 1899,	258,730.00
April 1, 1900,	209,924.00
April 1, 1901,	202,681.22
April 1, 1902,	205,475.28
April 1, 1903,	261,011.04
April 1, 1904,	255,973.00
April 1, 1905,	255,973.00

CITY DEBT.

After deducting the Water Debt and Sinking Fund, our net debt for the years given below has been:

April 1, 1896,	$2,251,190.00
April 1, 1897,	2,394,330.00
April 1, 1898,	2,842,723.00
April 1, 1899,	2,936,885.00

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April 1, 1900, . . .	2,938,393.00
April 1, 1901, . . .	2,865,159.00
April 1, 1902, . . .	2,806,363.00
April 1, 1903, . . .	2,728,076.00
April 1, 1904, . . .	2,981,686.00
April 1, 1905, . . .	3,594,874.00

SINKING FUND.

We recommend the sum of $64,900.00, which is equivalent to a one mill tax on the grand list, for this purpose, . $64,900.00

CONTINGENT FUND.

After making the above appropriations we estimate that there will remain from the receipts of the year the sum of 38,831.25, which we set aside for a Contingent Fund, . $38,831.25

TAX RATE.

The tax rate for the years given below has been as follows:

The rate laid on the grand list of Oct. 1, 1895, 17 mills.
The rate laid on the grand list of Oct. 1, 1896, 17 mills.
The rate laid on the grand list of Oct. 1, 1897, 17½ mills.
The rate laid on the grand list of Oct. 1, 1898, 17½ mills.
The rate laid on the grand list of Oct. 1, 1899, 17½ mills.
The rate laid on the grand list of Oct. 1, 1900, 17½ mills.
The rate laid on the grand list of Oct. 1, 1901, 18 mills.
The rate laid on the grand list of Oct. 1, 1902, 18 mills.
The rate laid on the grand list of Oct. 1, 1903, 18 mills.
The rate laid on the grand list of Oct. 1, 1904, 18 mills.
The rate suggested on the grand list of Oct. 1, 1905, 18 mills.

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RECAPITULATION OF

RECEIPTS AND APPROPRIATIONS.

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ESTIMATED RECEIPTS.

Water Commissioners, interest on bonds,	$27,000.00
Corporation stock tax,	208,000.00
National bank non-resident tax,	3,000.00
Street railway tax,	13,000.00
County Commissioners,	70,000.00
State Appropriation for schools,	45,000.00
State Appropriation for evening schools,	1,400.00
Town Deposit Fund income,	1,400.00
Interest on deposits,	5,000.00
Street department,	500.00
Fire department,	200.00
Police department,	1,500.00
Health department,	1,200.00
Charity department,	1,500.00
Police Court,	8,000.00
Public Buildings,	1,400.00
Amusement licenses,	400.00
Town Clerk,	3,000.00
Cemetery Committee,	1,000.00
Commissions collecting school taxes,	1,200.00
High School tuition fees,	7,000.00
6 mill tax on farm list, $650,000.00,	3,900.00
18 mill tax on grand list, $64,900,000.00,	1,168,200.00
	$1,572,800.00

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RECAPITULATION OF APPROPRIATIONS.

City Departments.

Street,	$310,099.75	
Fire,	152,000.00	
Police,	136,561.00	
Charity,	106,000.00	
Health,	16,955.00	
Park,	41,500.00	
Schools,	111,309.00	
High School,	85,800.00	
School Visitors,	42,800.00	
Legal and Claims,	10,000.00	
Police Court,	7,760.00	
City Court,	5,100.00	
Probate Court,	965.00	
Common Council,	7,280.00	
Public Buildings,	6,800.00	
Cemetery,	5,240.00	
Public Bath,	2,420.00	
Water,	15,940.00	
Public Library,	12,500.00	
Advertising,	4,500.00	
Police and Fire Funds,	7,000.00	
Military Commutation Tax,	15,945.00	
County Tax,	18,870.00	
Liquor Prosecutions,	1,000.00	
Mayor,	3,800.00	
Collector,	10,965.00	
Treasurer,	6,500.00	
Controller,	3,600.00	
City Clerk,	6,139.00	
Assessors,	10,800.00	
Registrars,	8,950.00	
Selectmen,	4,950.00	
Marshal,	550.00	
Building Inspector,	4,585.00	
Sealer,	1,850.00	
Connecticut River Bridge Maintenance Account,	15,000.00	
East Side Flood Protection,	3,000.00	
Interest,	214,035.00	
Permanent Improvements,	50,000.00	
Sinking Fund,	64,900.00	
Contingent Fund,	38,831.25	
		$1,572,800.00

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REPORT

OF THE

Board of School Visitors

OF THE

TOWN OF HARTFORD

March 31, 1906.

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Board of School Visitors.

1905-1906.

FOSTER E. HARVEY, 865 Main St.,	Term Expires	June,		1906
JAMES J. PEARD, 33 Allen Place,	"	"	"	1906
THOMAS F. KANE, 517 Main St.,	"	"	"	1906
THOMAS S. WEAVER, 36 Pearl St.,	"	"	"	1907
CHARLES E. WALKER, Pope Mfg. Co.,	"	"	"	1907
WILLIAM J. McDONOUGH, 64 Pratt St.,	"	"	"	1907
JOHN K. WILLIAMS, 973 Main St.,	"	"	"	1908
BURTON L. NEWTON, 77 Pearl St.,	"	"	"	1908
HENRY McMANUS, 80 Pratt St.,	"	"	"	1908

Officers.

THOMAS F. KANE, *Chairman,* CHARLES E. WALKER, *Secretary,*
THOMAS S. WEAVER, *Superintendent of Schools.*

Committees.

ON TEXT-BOOKS.

CHARLES E. WALKER, THOMAS F. KANE,
FOSTER E. HARVEY.

ON EVENING SCHOOLS.

JOHN K. WILLIAMS, FOSTER E. HARVEY,
WILLIAM J. McDONOUGH.

ON MANUAL TRAINING.

BURTON L. NEWTON, HENRY McMANUS,
JAMES J. PEARD.

ON VACATION SCHOOLS.

JOHN K. WILLIAMS, JAMES J. PEARD,
HENRY McMANUS.

ON EXAMINATION OF TEACHERS.

WILLIAM J. McDONOUGH, BURTON L. NEWTON.

ON RULES.

THOMAS F. KANE, FOSTER E. HARVEY.

ON AUDITING.

BURTON L. NEWTON, JOHN K. WILLIAMS

Office of the Board and Superintendent of Schools,
36 Pearl Street., 317 Connecticut Mutual Building.

SCHOOL ATTENDANCE OFFICER.

RANDOLPH W. WILLIAMSON, Newington Ave.,
P. O. Box 417.

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Public Schools of Hartford.

THE number of children of school age in Hartford at the enumeration of October, 1905, was 18,818, or 2,000 more than five years ago. Although every district in the city has, within the past ten years, added to the accommodations provided for this rapidly growing population, the beginning of the school year was characterized by active steps in the South and Northwest Districts, to add more room for pupils, which was followed later in the year by the West Middle and Washington Street Districts in the same effort. Three large buildings are now in process of erection and will be ready for occupancy, certainly as early as September, 1906, while two more are planned and ground broken with the expectation that they will be completed by September.

Two of the additions are in the South District, one at the Lawrence Street School and one at the New Park Avenue School. These each provide for eight new school rooms and an assembly hall, the old assembly halls having been divided into four fine school rooms, making in reality an addition of twelve rooms to each of these buildings. The result already apparent has been the abandonment of basement rooms in these buildings, giving all the pupils the advantage of well-lighted and well-ventilated school rooms. The New Park Avenue School, although it has not shown remarkable growth bids fair, with new developments of the street railway and better opportunities for communication with the center of the city, to make rapid growth in registration during the immediate years to come, justifying the enterprise of the district in the addition. The Lawrence Street School is in a thickly settled and continuously growing section and has been much over crowded for the past few years. The new building there has been greatly needed.

The Northwest School District, during the past year bought a large tract of land directly west of its site and now has a location scarcely equalled for a school. It has three sides on streets. or Keney Park, and enough room on the fourth side of

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its site to give ample light and air for generations to come. A large addition of eight rooms with assembly hall has so far been completed that it is expected the hall will be ready for use on graduation day in June, the eight new school rooms to be in commission in September. In this school, too, it was necessary to divide the old hall into two school rooms, providing none too much room for the school. It is the intention of the district to equip a new boiler plant and sanitary in connection with the new building, and eventually to take out the old toilet buildings. When this is done the architectural harmony will be improved and the plant will be more comfortable for the work of the school.

The West Middle School District has broken ground for an addition to the west of the Noah Webster School, the plan carrying out the general design of the original building without breaking into its harmony. This addition emphasizes the wisdom of so planning a school building that additions can be made without detracting from the appearance of the plant, and at the same time giving the best working plan possible. This building will be heated and ventilated from the original building, further emphasizing the value of laying out work for the future, rather than for the immediate present.

The Washington Street District will add another structure to its already large plant on Washington Street. The plan provides for ten additional rooms, the installation of a new heating and ventilating plant and toilets in an independent building, removing those at present in the basement and devoting that space to wet weather play rooms. In this plant, also, it is the intention of the district to tear out the original building in time, to make a more harmonious structure.

The Second North District, although in a well-settled section of the city, and apparently not in the line of growth, as much as some of the outlying districts, has found its building inadequate for the increased attendance and has been obliged to open two school rooms in temporary quarters on Albany Avenue. Although this district made a large addition to its plant but a few years ago it is now facing the need of more room. The increased street-car traffic at Tunnel Square makes the dismissal of this large school difficult and dangerous, many of the pupils having to cross the square and tracks to get to their homes.

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BUILDING REQUIREMENTS FOR SCHOOLHOUSES.

The necessity of definite rules to govern construction of new school buildings has been apparent during the past year, the board having been asked to pass upon plans and specifications for five large additions to existing buildings. The following rules were adopted by the Board of School Visitors, March 6, 1906:

No schoolhouse shall hereafter be erected in the city of Hartford and no addition to a school building shall hereafter be erected until the plans and specifications for the same shall have been submitted to the Board of School Visitors of Hartford, Connecticut, and their approval endorsed thereon. Such plans and specifications must show survey of schoolhouse site, and size and location of new and old buildings, if any, and shall show in detail the ventilation, heating, and lighting of such buildings.

The Board of School Visitors hereby give notice that in order to secure approval, plans for a school building or addition must provide among other matters for at least 15 square feet of floor space and 200 cubic feet of air space for each pupil to be accommodated in each study or recitation room therein. No plans will be approved by them unless provision is made therein for assuring at least 30 cubic feet of pure air every minute per pupil, and the facilities for exhausting the foul or vitiated air therein shall be positive and independent of atmospheric changes.

Plans and detailed statements must show all halls, doors, stairways, seats, passageways, and aisles, and all lighting and heating apparatus, arranged to facilitate egress in case of fire or accident and to afford the requisite and proper accommodations for public protection in such cases.

All exit doors shall open outwardly, and shall, if double doors be used, be fastened with movable bolts operated simultaneously by one handle from the inner face of the door. No staircase shall be constructed with winding steps in lieu of a platform, but shall be constructed of straight runs; changes in direction being made by platforms. No door shall open immediately upon a flight of stairs, but a landing at least the width of the door shall be provided between such stairs and such doorway.

1. Plans and specifications must be submitted in duplicate, the original set to be returned after the endorsement of approval, the duplicate to be retained on file at this department.

2. Plans and specifications must show in detail the ventilation, heating and lighting of the building and must be accompanied by a guaranty that the system of ventilation described will provide at least 30 cubic feet of air every minute for each pupil. It will be necessary to show the size of the windows, distance from top of window to ceiling and number of panes in each sash.

3. At least 15 square feet of floor space and 200 cubic feet of air space for each pupil to be accommodated in each study or recitation room must be provided. In this connection it will be necessary not only to state the size of the rooms (length, breadth, and height), but also to give the number of individual desks to be placed in the room.

4. Plans and specifications must clearly show that proper provision is made in all respects "to facilitate egress in cases of fire or accident, and to afford requisite and proper accommodations for public protection in such cases."

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5. Windows in all study rooms and recitation rooms must be so arranged that the main light will come from the pupil's left and supplemental light from the rear. Windows should be grouped together as nearly as possible on the pupil's left so that the light may be massed, thereby furnishing a comparatively even distribution of light and minimizing areas of light and shadow. The windows should extend as near to the ceiling as the principles of construction will admit, and should be without unnecessary framework. Any considerable area on the pupil's left that is without window surface should be opposite the space in front or in the rear of pupil's desks.

The ratio of window surface to the floor surface should be 1—5. If the main light comes from the north or from the side of the building which is well shaded, the ratio should be one to four.

6. As far as possible the rooms and windows should be so arranged that the aisles may run the long way of the room.

7. In the primary grades the blackboards should be placed 26 inches from the floor, in the intermediate grades 30 inches, and in the grammar grades 36 inches. Each blackboard should be provided with a trough at the bottom.

8. Special cloak rooms thoroughly heated and ventilated must be provided.

9. Soft colors should be used in finish; the walls, light greenish grays. The ceiling should be white. Window shades should correspond with the walls.

10. Exits and stairs from assembly halls situated on the third or higher stories must be of proper fire-proof construction.

COURSE OF STUDY.

The course of study for the grammar schools has been the guide for the work in the public schools of Hartford, and it is gratifying to know that the Principal's Club is devoting a great deal of time each month to consultation as to best methods of unity in the school work, and that the suggestions in the course are well carried out. Just now the Principal's Club is engaged in revising the course and when completed it bids fair to be based on modern educational lines, and to have a well thought out scheme of study leading up to the High School.

CONDITION OF SCHOOLS.

Continued visits to all the schools in the city and observation of their workings and of the spirit that is everywhere manifest in them, leads one to consider them to be in excellent condition from an educational standpoint. No important changes have occurred in the conduct of the schools, the same principals remaining at the head of them as last year, and the teaching force having been practically the same. It is to be noted that there has been for the past few years a decreasing number of school

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teachers, and of good school teachers it is doubtful if there are a dozen in Hartford County out of employment. The question that is soon to face our schools is, "Where are the teachers to come from?" The greatly increased number of occupations for young women, most of them at larger salaries than the schools provide, is taking the best material for teachers into other lines of endeavor. Unless the pay of a school teacher is at least equal to that of the stenographer, clerk, bookkeeper, or of other positions open to women, the coming teachers will not be from the best talent in our schools. Young women will seek positions where the duties are more formal, where the nervous strain is less, and where the remuneration is greater. The normal schools of the State cannot begin to provide for the demands of the schools for good teachers. In cities like Hartford where not only training but experience counts in the selection of teachers the situation is already becoming uncomfortable, it being very difficult to provide teachers for the upper grades, and in the matter of substitute teachers, the few unassigned teachers in the city cannot begin to meet the demand.

THE "ILLITERACY" LAW.

A law enacted by the General Assembly of 1903 provides that

"Whenever the school visitors, town school committee, or board of education of any town or district shall by vote decide that a child over fourteen and under sixteen years of age has not schooling sufficient to warrant his leaving school to be employed, and shall so notify the parent or guardian of said child in writing, the parent or guardian of said child shall cause him to attend school regularly during the days and hours that the public school in the district in which said parent or guardian resides is in session, and until the parent or guardian of said child has obtained from said board of school visitors, town school committee, or board of education a leaving certificate stating that the education of said child is satisfactory to said visitors, town school committee, or board of education; *provided,* that said parent or guardian shall not be required to cause his child to attend school after the child is sixteen years of age."

This law fails to fix the point of "schooling sufficient," etc., and as a consequence it has been variously interpreted throughout the State, some of the school authorities fixing the point at the completion of the Sixth, some at the Fifth, and others at the Fourth Grade. The Board of School Visitors in Hartford in-

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terpreted the law as applying to individual cases and the superintendent was instructed so to act. The principals of the schools fixed the completion of the Fourth Grade as the point below which cases should be referred to the board, or its executive officer. The result has been that by moral pressure, rather than by force of the law, many children have been retained in school who are over 14 years old and under 16. The State Board of Education in making arrangements to enforce the law, has the list of all children between 14 and 16 years of age, and will investigate at an early date the conditions in this regard in Hartford. It is expected that employed children between those ages will be called before that board and questioned as to their qualifications, and if found insufficient they will be ordered back to the school room.

The law was apparently intended to provide further schooling for the great number of foreign children now coming into the State, but it is understood that the mere lack of a knowledge of English, other qualifications being to the standard which may be fixed by the State Board, will not necessitate sending back to school children of the age described. If the activity of the State Board in this matter will result in a definite point at which such children may be taken from school the law will be much more easily enforced.

EQUALIZATION OF TAXES.

The equalization of district school taxes in Hartford which has been under discussion for many years was entered upon during the year, in accordance with an act of the General Assembly. The act in its main provisions is as follows:

The Board of Finance of the city of Hartford is hereby authorized and directed to apportion and divide among the school districts of the town of Hartford an amount not to exceed one-half of the amount raised by the tax of one mill on its grand list laid in accordance with Section 2271 of the General Statutes, which said sum, not exceeding one-half, shall be apportioned and divided among said school districts in accordance with the needs of each district, so as to equalize the taxation for school purposes as nearly as possible; but no district shall receive any of said apportionment unless the tax laid in said district for the maintenance and support of schools is at least five mills; and provided, that no district laying a tax of at least five mills aforesaid shall receive a less total amount from said one mill tax than it would receive if said one mill tax was divided as a whole in accordance with Section 2271 of the General Statutes. The

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balance of the amount raised from the tax of one mill, after deducting the total amount apportioned by said Board of Finance, shall be divided among all the school districts of said town, as provided in said Section 2271 of the General Statutes.

The chairman of each of said school districts shall, on or before the first day of October in each year, present to said Board of Finance an estimate of the amount required for school purposes by the district of which he is chairman, over and above the amount received from other sources, and the amount which would be raised from a five mills district tax, and, if required by said Board of Finance, shall make an itemized estimate of the money to be expended by the district during the ensuing year.

Said Board of Finance, at its first meeting in October of each year, shall proceed to make the division and apportionment in accordance with Section 1 of this act, and shall take up the matter at each meeting thereafter until it has completed such apportionment and division.

The total amount raised by the one mill tax was $62,650.00, and the amount set apart for distribution by the Board of Finance in accordance with this act was $11,155.17, and it was distributed to five of the districts coming under the provisions of the act as follows:

Arsenal School District,	$545.00
Washington Street School District,	1,097.00
Southwest School District,	1,158.00
Northeast School District,	7,087.00
South School District,	1,268.17

This distribution enabled the Northeast District to lower its tax levy from 11½ mills on a dollar to 6 mills, and relieved that district greatly. The *pro rata* distribution of the total amount raised by the one mill tax, which includes also the sums mentioned above was:

Brown School District,	4,085.80
South School District,	26,048.99
Second North District,	3,819.74
West Middle District,	3,249.63
Arsenal District,	6,087.17
Washington Street District,	5,357.28
Southwest District,	1,621.00
Northeast District,	9,951.37
Northwest District,	2,429.02
Total,	$62,650.00

The cost of maintenance of the schools, per pupil, for the year was $21.50, and the amount expended for teachers' salaries, including principals' salaries, amounted to $17.48 per pupil

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These figures are exclusive of interest account and liquidation, and include maintenance only.

MANUAL TRAINING.

The manual training as conducted in the public schools is in immediate charge of the Board of School Visitors, and during the past few years has moved towards a fine degree of proficiency. The wood-working privilege has been extended to the seventh grade, making three grades of boys that take the instruction. Three instructors have been employed for the past four years, and the increase in number of pupils and in grades will soon make it necessary to employ another, perhaps on part time. Howard D. Brundage, an instructor for three years, resigned his position at the beginning of the year and William W. Leonard was chosen in his stead. Mr. Leonard has a good equipment, and the work in his classes is going on well.

In cooking the work has been under the direction of Miss A. Eudora Daniels, who has had charge of it for seven years. The present assistant is Miss Amelia A. Cooke, and the girls in the Ninth Grade have one hour and a half instruction each week in the elements of cooking.

The sewing department is the largest of the city's special departments, and includes as pupils the girls from the Fifth to the Eighth Grade, inclusive. Miss Carolyn T. Huntington continues as supervisor, and also has classes under instruction a portion of the time. The importance of this work in the schools where foreign pupils are in large numbers cannot be overestimated, and as a training it is of benefit to all girls.

The Board has a small appropriation for the coming year which will be used to refit some of the school shops with much needed new benches. The teachers employed are:

MANUAL TRAINING AND DOMESTIC SCIENCE TEACHERS.

WOODWORKING.

Stanley H. Rood, *Supervisor*,	57 Willard Street.
William W. Leonard,	Woodland Terrace.
Charles C. Bryant,	57 Buckingham Street.

COOKING.

A. Eudora Daniels, *Supervisor*,	114 Wooster Street.
Amelia A. Cooke,	96 Allen Place.

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SEWING.

Carolyn T. Huntington. *Supervisor,*	26 Charter Oak Place.
Florence Chapin,	215 Jefferson Street.
Leda G. Prindle,	30 Standish Street.
Hannah F. Linke,	19 Wethersfield Avenue.
Florence E. Mahl,	329 Windsor Avenue.
Julia F. White,	161 Seymour Street.

THE HIGH SCHOOL.

THE Hartford Public High School has had an uneventful year, with an increased attendance of pupils, and the usual work in the various departments carried on vigorously and effectively. The movement begun over a year ago by the Board of Trade and its committee toward the establishment of a trade or technical high school, to take the place of the manual training and kindred departments, is still in abeyance, the project having been committed to the Committee on Education, the Board of School Visitors, and the High School Committee for investigation and report. It has seemed impossible to make much progress at the present time, and the matter has been carried over to the new city government and it is probable that some foundation work may be done in this line before the coming school year closes.

The metal working department has been extended by the addition of new machinery and an extra room, and the value of this extension has been shown in the increased attendance upon the evening school classes.

The free text-book supply has been tested for the past three years, and has worked out better than had been anticipated. The books are well cared for considering the continual usage they endure, both in school and in the homes of the pupils. The test will come, however, on the financial side, at the close of the next school year, when a large proportion of the initial supply must by reason of four years of hard wear be replaced. The city must expend at that time at least twice as much money on this account than has been spent in any year since the initial supply, which amounted to $10,300. A conservative estimate for replacing books that will need to be replaced at that time will be at least $5,000.

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THE EVENING HIGH SCHOOL.

THE work of the Evening High School for the year has been appreciated as will be noted by the increase in average attendance. Pupils who had finished a three years' course were presented with diplomas at the close of the term, and certificates of attendance were given to those who had been present during the term a given number of evenings. This was the first presentation of diplomas in Hartford's evening schools. The members of the school faculty have not been so largely employed in teaching evenings as formerly, the strain having been too much for the proper care of their day duties. Competent instructors, have, however, been found, and the classes have made satisfactory progress. The school may be said to have passed the experimental stage and to have settled down to work on definite lines, well carried out. The report of the principal follows, and it is to be noted that he favors putting most of the classes upon the single period plan, giving two hours each evening to each of the studies in the course. This plan has worked well in the mechanical drawing-room, and in the manual training rooms and is commended:

HARTFORD, CONN., April 10, 1906.

MR. ARCHIBALD A. WELCH,
Chairman of the High School Committee.

Dear Sir: — At the close of the third and the best year, thus far, in the history of the Evening High School, I take pleasure in presenting the following report:

The programs of the various classes have been substantially the same as last year. There has been, however, a steady drift in the direction of commercial and manual training branches, the greatest gains being seen in the constructive drawing and the metal working departments. While some of the causes for this obviously are in the nature of the courses themselves, there are other reasons why the manual training classes, at least, have largely increased. One of these is the fact that all of the manual training work this year has been on the double period plan. Pupils find satisfaction in the rapid progress made in a subject when three full evenings a week are devoted to it. They have time to study for an hour or more without interrruption upon a problem, and have greater opportunity to get assistance from the teacher in charge. This year the average attendance in the constructive drawing classes was fifty-eight. This means that 6,960 hours in all have been given to this subject in the Evening High School this winter by the young men of the city.

This year, the pattern-making course was placed on the double period basis and made more technical in its nature. As a result we have had in this course this year the same number attending two hours per evening that we had the last year with the one-hour plan.

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The double period plan has proved so satisfactory wherever tried this year that I would suggest putting other classes on the same basis, particularly the bookkeeping, the stenography, and the free-hand drawing.

Another reason why the manual training courses are more largely attended is because they are more complete. It is with pleasure that we note the development of these definite courses, and we earnestly hope that as time goes on other complete courses of study may be organized on a three year basis, such as a commercial course, a science course, an art course, a modern language course, and so on. Practically all the subjects which would be found in these courses have been taught during the three years, but rather as individual studies than as parts of definite courses, partly on account of the lack of advanced pupils and partly on account of the expense, but gradually as the number of pupils returning to take additional work increases and advanced classes are formed, the courses will crystallize along definite lines.

SYNOPSIS OF COURSE IN CONSTRUCTIVE DRAWING.

FIRST YEAR.

Use of instruments, simple working drawings from sketches, scaled drawings, sectional drawings, projection, revolution, true length of lines, true shape of surfaces, development, intersection of surfaces, screw threads, machine fastenings, and line shading.

SECOND YEAR.

Machine drawing from sketch, modified design drawing, detailing from an assembly drawing, construction drawing from details, technical sketching from machine and full set of working drawings from sketches.

THIRD YEAR.

Plotting mechanical motions; uniform, crank, and gravity cam curves; face, disc, cylindrical, and special cams; and spur, worm, and bevel gearing.

SYNOPSIS OF COURSE IN PATTERN-MAKING.

Principles explained and practice given in use of hand and machine woodworking and turning tools. Pattern allowances explained. Construction of typical, simple patterns, illustrating the various kinds in use, as solid, split, and built-up patterns; cored work and core boxes; construction of special patterns. Practice in molding and casting in soft metal.

SECOND YEAR.

Advanced work along first year lines. Also, balanced cores; three part molds; segment built, loose piece, and gated patterns. Additional practice in molding and casting.

SYNOPSIS OF COURSE IN METAL WORKING.

FIRST YEAR.

Chipping, filling, scraping, gauge, and templet making, hand turning, hardening, and tempering.

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SECOND YEAR.

A study of the mechanism of the lathe, planer, shaper, drill press, and miller. Elementary operations on the above machines including screw cutting, taper fitting, chucking, boring, reaming, polishing, brass turning, copper spinning, case hardening, etc.

THIRD YEAR.

The metallurgy of iron and steel; study of high speed steels, cutting speeds and feeds, bearings, lubricants, and shop mathematics; laying out work; gears, spirals, tool making, jigs, and fixtures; analysis of special problems; and machine shop practice.

At the request of the principal-in-charge, Mr. Holden makes the following brief summary of the work done in the metal-working classes this year:

"During the past year the committee has seen fit to increase the equipment in the manual training department so as to admit of a broader scope of work. This year about forty men were admitted to the classes in metal work, and another year an advance course will be offered, making a three year graded course in machine shop practice.

"While this course is neccessarily superficial because of lack of time, very much can be and is done by the young men in these classes. Instruction is given in nearly all phases of machine work, and at least 75 per cent. of the time is devoted to actual practice at the bench or machine under the guidance and criticism of the instructor. Although there is a regular course of lectures and instruction, considerable flexibility as to models and class of work is necessary in the advanced course in order to allow young men to study and practice along the line in which they feel the greatest need.

"It is realized and understood that the time devoted to practice is utterly inadequate in which to learn a trade, but for young men who work in the shops and have opportunity to put into practice the hints and the instruction here given the school must be a very great help."

The average attendance for the year, 266; the complete registration, 727; and the number attending fifty evenings or more, 75, have been the largest thus far. At no time has the attendance fallen below 100, and not until December did it fall below 300. In general, the attitude of the pupils towards their work and their behavior towards their teachers and one another has been all that could be desired. There has been manifest all through the year not only a spirit of earnestness and a desire to learn, but also a hearty appreciation of the privileges which the school offers and a genuine delight in availing themselves of these opportunities.

The following, having attended the Evening High School for three years, received diplomas and constitute the class of 1906, the first class to graduate from any public evening school of Hartford:

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Katherine L. Beecher,	English
Lucy A. Blake,	English
Mary J. Brown,	English
Lucy E. Cobey,	French and German
Mary T. McCarthy,	English and French
Jennie G. Plaut,	Bookkeeping
Elizabeth S. O'Reilly,	English
Harry N. Anderson,	Woodwork and Pattern-making
John V. Anderson,	Bookkeeping
Charles W. Daly,	Algebra, Physics, Chemistry
Charles J. Dillon,	Algebra, French, Metal Work
John H. Dowd,	Constructive Drawing
Malachi J. Hogan,	English and Bookkeeping
Francis C. Fagan,	Wood-work and Pattern-making
Gustave A. Feingold,	English and Physics
Edward T. FitzGerald,	Constructive Drawing
Joseph T. Jordan,	Woodwork and Pattern-making
Miner A. Peterson,	Constructive Drawing
Edwin Yungk,	Free-hand Drawing

Several others who were entitled to a general three years' diploma, having attended the required length of time, will wait until next year in order that their certificate of graduation may state that certain courses of study have been completed. They have been encouraged to do this as the certificates have been so worded that they show definitely what pupils have done.

TABLE SHOWING THE ATTENDANCE DURING 1905-06.

Date.	Males.	Females.	Totals.	Date.	Males.	Females.	Totals.
Oct. 9	259	122	381	15	236	109	345
11	306	152	458	17	222	102	324
13	302	153	455	20	230	109	339
16	299	165	464	22	227	119	346
18	283	160	443	24	212	108	320
20	261	135	396	27	209	107	316
23	270	157	427	Dec. 4	214	116	330
25	280	153	433	6	193	102	295
27	264	145	409	8	186	86	272
30	263	128	391	11	184	104	288
Nov. 1	243	143	386	13	182	86	268
3	225	110	335	15	162	80	242
6	244	114	358	18	144	61	205
8	244	135	379	20	115	51	166
10	238	118	356	22	101	28	129
13	229	111	340				

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	Date.	Males.	Females.	Totals.	Date.	Males.	Females.	Totals.
Jan.	3	134	49	183	9	99	47	146
	5	147	80	227	13	96	50	146
	8	153	57	210	15	105	50	155
	10	143	75	218	16	110	46	156
	12	149	60	209	19	123	58	181
	15	138	69	207	21	84	23	107
	17	143	78	221	23	110	50	160
	19	131	71	202	26	108	58	166
	22	148	69	217	28	89	47	136
	24	138	79	217	Mar. 2	113	64	177
	26	123	74	197	5	116	56	172
	29	157	77	234	7	103	55	158
	31	128	72	200	9	126	58	184
Feb.	2	117	56	173	Number of clear evenings,			46
	5	139	72	211	Number of cloudy evenings,			9
	7	115	71	186	Number of stormy evenings,			5

TABLE SHOWING THE AVERAGE ATTENDANCE BY MONTHS.

October, 1905,	425.7	January, 1906,	211
November, 1905,	345.3	February, 1906,	160.2
December, 1905,	243.8	March, 1906,	172.7

Yearly average, 266; total registration, 727.

Number present fifty evenings or more: Males, 61; females, 14.

Number present five evenings or less: Males, 151; females, 53.

TABLE SHOWING THE ATTENDANCE IN THE VARIOUS CLASSES.

	Average.	Largest.	Smallest.
English composition,	26	67	5
English literature,	20	39	7
Elementary French,	13	29	4
Advanced French,	5	9	1
Elementary German,	13	33	3
Advanced German,	7	17	3
Algebra,	12	21	3
Geometry and trigonometry,	3	15	2
Bookkeeping,	68	147	16
Stenography,	49	105	14
Typewriting,	35	61	10
Free-hand Drawing,	23	42	4
Pattern-making,	29	49	19
Physics,	8	14	3
Chemistry,	4	7	1
Shop work,	14	19	10
Bench work,	7	15	3
Advanced constructive drawing,	30	44	14
Elementary constructive drawing,	28	47	9

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PUPILS PRESENT FIFTY EVENINGS OR MORE.

Males.

Andrew Anderson
Hjalmar Anderson
John V. Anderson
Wallace T. Austin
William F. Beecher
Arthur Block
James Brewer
Raymond Churchill
Frederick S. Collins
Lawrence Crowley
Harry Eckstein
Henry C. Edwards
Francis Fagan
Gustave Feingold
Edward T. FitzGerald
George C. Geckler
Frank B. Gray
Rudolph Green
Harry G. Guild
Michael J. Healey
Leon F. Hearn
Bascomb H. Henderson
Arthur O. Hirth
William Horan
Herbert Huber
C. R. Johnson
Joseph Jordan
William A. Keeney
E. F. Kilray
Carl E. Lundin
Thomas F. Lyons
Fred Major
John T. Manion
Dennis Manning
Martin McCue
James F. McKinney
Walter E. Menzel
John F. C. Miller
Daniel A. Moriarty
Jacob Naef
Paul B. Oatman
Carl H. Olander
Edward F. Page
Miner A. Peterson
James J. Peyton
Ira Porter
Victor Priessner
Frank L. Rathbun
Oscar Rettig
Louis H. Richards
George N. Root
Adolf Seaholm
Isaac Selvin
James P. Skelly
Ralph W. Stevens
James C. Smith
William P. Smith
John C. Tonkin
Albert Wehrle
Oscar Williams
Edwin Yungk

Females.

Mabel Arnold
Minna Biderman
Rebecca Breen
Mary J. Brown
Lucy E. Cobey
Martha F. Hickmott
Claribel Lawrence
Margaret Linnon
Mae Morris
Elizabeth Mullen
Margaret Murray
Elizabeth S. O'Reilly
Aurilla Witham
Harriet Witham

PUPILS PRESENT SIXTY EVENINGS.

Francis Fagan
Ira Porter
William Keeney

Respectfully submitted,

DAVID G. SMYTH,
Principal-in-charge.

EDWARD H. SMILEY,
Principal Ex Officio.

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The Evening Schools.

THE Hartford Public Evening Schools marked their rigeest average in attendance last winter, and also the highest mark in their efficiency. The Evening School Committee transferred the Pearl Street School from the Y. M. C. A. building where it had been for four years to the old Brown School Primary building, at No. 205 Pearl Street. Considerable expense was necessary in order to make the building satisfactory for the purpose, but the end accomplished justified the expenditure. The building now has six good rooms for school purposes, those on the lower floor having been so arranged that they may be thrown into one large room for any purpose that may be needed by the school or for vacation school work in the summer. The school was more successful than in former years, the attendance larger, and the work better. The plan pursued this year of having an assistant teacher in each room of the school has been of great advantage in maintaining attendance, and in giving to every pupil personal attention each evening. The evening school work is necessarily individual to a great degree, and no teacher succeeds in it unless she enters into it with the broadest sympathy, putting all her energies to the fullest test in holding the pupils to the work in hand.

Industrial classes have been very popular, and if it is possible it is expected that these classes may be extended in different directions during the coming year. The details of the work will be found in the accompanying reports from the principal, vice-principal, and other instructors:

MR. THOMAS S. WEAVER,
Superintendent of Public Schools, Hartford, Conn.

In accordance with established custom I present the thirty-sixth annual report of the Public Evening Schools of Hartford, and take pleasure in recording a season of decided progress.

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A larger attendance than ever before in its history, a splendid corps of instructors, drawn for the most part from the efficient body of teachers in our day schools, progress in systematizing the work, improved facilities provided by the Evening School Committee of the Board of School Visitors, and favorable weather, have all contributed to make the term the most successful on record.

The schools were opened on the evening of Monday, November 6, 1905, and closed on Thursday evening, March 1, 1906, and were conducted in three buildings, at 625 Asylum street, 205 Pearl street, and 67 Temple street, the Pearl street building recently secured by the Evening School Committee, proving admirably adapted to the uses of the school.

A step in the direction of organizing the department of common English branches of the schools with relation to the occupation of pupils was taken by registering pupils in commercial branches as far as possible in the Pearl street building, and those engaged in mechanical pursuits at 625 Asylum street; but progress in this direction must be slow under present limitations as to the accommodation of the large numbers presenting themselves for registration at the beginning of the term. The class in practical bookkeeping was transferred from 625 Asylum street to the Pearl street building, and a class in stenography and typewriting was opened in the room formerly occupied by it.

The other branches conducted at the Asylum street building were classes in mechanical and architectural drawing, classes in cooking, sewing, and millinery, a department of common English branches, and one for the teaching the English language to foreigners.

At the Temple street branch the work was wholly devoted to the last of these endeavors with general divisions into Hebrew and Italian departments.

With a registration of 2,282, of which 1,427 were born upon foreign soil, and two-thirds of the remainder of foreign parentage, the main outlines of the Evening School work will at once be apparent. Preparation for American citizenship is the key-note of the curriculum, and whoever studies the methods of procedure will perceive that its influence is present in all phases of the work. In the large classes of immigrants, many of them but just landed from foreign ports, this will be most noticeable, the teachers taking advantage of the lessons in English and the contacts of the school to acquaint them with American institutions and customs, and to impart to them a knowledge of the advantages of citizenship. An effective feature of this work is the use of patriotic and folk songs in which, in addition to the use of the language, the pupils catch something of the spirit of American life. This has been for some years a much enjoyed element in the work. It needs only that one should be present at the closing exercises of the classes at 625 Asylum street or 67 Temple street to gain a conviction that the methods of the Evening School are effective in the direction of preparing these newcomers for citizenship. Methods to this end in other departments of the school, while less apparent, are none the less carefully considered and pursued.

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Next in importance in the Evening School work is the industrial interest. A large majority of these members of the school who are not drawn to it to acquire the use of the English language come under the pressure of needs developed by daily occupation. The classes organized along industrial lines are the most successful of our Evening School efforts, and present movements in Evening Schools at large indicate that development of the work will be in that direction during the next decade. The recent report, on April 11th, of a commission appointed by the Massachusetts Legislature to investigate methods of industrial training makes the following statement: "The State needs a wider diffusion of industrial intelligence as a foundation for technical success, and this can only be acquired in connection with the general system of education into which it should enter as an integral part from the beginning. The committee recommends a special commission of five persons, to be appointed by the governor, to serve for five years without pay, to secure the introduction of this work and 'to provide evening courses for those already employed in the trades.'"

The reports of instructors which accompany this record will give information as to our activities in this direction which will, I trust, be increased next season by the classes in manual training had in contemplation by the Evening School Committee. No report of the cooking classes will appear as it was found necessary by the committee to disband the classes before the close of the season by reason of the transfer of Miss Cook, the head of the department, to the day school work, and the severe illness of her successor, Miss Brown. Up to the time of this necessary action the classes were well attended and successful.

In the rooms devoted to preparatory work for the Evening High School there was a good record of interest and progress, and at the close of the term twenty certificates were granted to pupils prepared to enter the Evening High School course without examination.

The record of attendance in the rooms devoted to the common English branches was better than for several previous sessions, notably at the Pearl street building, which seems to indicate the wisdom of the change of location made in these classes this year. Some work remains to be done in the reorganization of the studies of this department; but the season has been one of advance. One hundred and sixty-four certificates of the school for attendance and progress were issued at the close of the term to pupils who had been in attendance for sixty or more evenings during the winter.

The following had a perfect record of attendance:

No. 67 Temple Street — Philip Borone, Michael Casale, Angela Sena.

No. 625 Asylum Street — Andrew Anderson, Bertha Benson, Oscar Helerstein, Bonohan Nemetz, Andrew Neilson, Ferdinand Parkinas.

Number present with commendable regularity, 740.

The statistics of registration and attendance for the season are as follows:

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	Registered.	Average Attendance.
625 Asylum Street, . . .	1,300	295.17
205 Pearl Street, ...	440	102
67 Temple Street, ...	620	141.9
	2,360	539.07

It should be remembered that the average attendance is not a fair criterion of judgment as to the number effectively reached by the work of the Evening School, many pupils being unable to be present every evening of the week, yet maintaining a sustained attendance throughout the term.

I am fully convinced that the number reached and benefited by the work of this school would be substantially increased by a lengthening of the term, especially by an earlier date of opening as the attendance is always heaviest and most regular in the term preceding the holidays.

I cannot omit from this report, though it is impossible to render any statistics regarding it, the personal work done by the teachers of the corps in the line of character building through the intimate contact established by the Evening School work. This work is not confined to the school room or the term, but follows the pupils in many instances within the knowledge of the principal, to their homes and throughout the year, influencing their reading and social habits, and often affecting their daily occupation.

The work of both teachers and pupils has been of the most earnest and industrious character, and I am certain that no appropriation of public funds is more effective of good results than that annually given to the Evening School work. Increasing interest in the work of the schools was manifested by the presence of visitors from this and other cities during the term and at the public exercises conducted in each building on the closing evenings, February 28th and March 1st. The evening at 67 Temple Street under the direction of Miss Alida B. Clark, vice-principal, and her able assistants, was a repetition of the closing event of last year giving a very clear idea of both method and result in the work of that intensely interesting branch of the school. At 205 Pearl street the closing exercises were simple, the pupils being assembled in the large rooms of the bookkeeping department where they were addressed by Superintendent Thomas S. Weaver and Mrs. Appleton R. Hillyer, president of the Civic Club, and where prizes were awarded to members of the bookkeeping classes by the instructor, Mr. George H. Bromfield, for completed sets of books. At the Asylum street building, work of the classes in mechanical and architectural drawing, dressmaking, and millinery were displayed. The other classes of the school, including that of stenography and typewriting, were in open session, and several hundred visitors were present as interested and enthusiastic observers.

The work of the school has been greatly aided by the frequent presence and sustained interest of the Superintendent of Schools and the

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chairman of the Evening School Committee. In no other city within my knowledge has the evening school work the support of such constant evidences of interest on the part of those responsible for its success as thus obtains here.

The reports of instructors of the various departments of the school follow.

Respectfully submitted,

SOLON P. DAVIS,
Principal of Evening Schools.

CLASS IN ENGLISH, ROOM 5, 625 ASYLUM STREET.

The term of Evening School just passed was a gratifying one in regard to attendance and results. There was a large percentage of the class that received certificates for good attendance and proficiency attained in the use of the English language, and there were many whose attendance was perfect.

To meet the demands of a class, comprising seventy-five or a hundred men and women from twelve foreign countries, many of whom neither speak nor understand any English, must always be a problem; how interesting a one to solve can be appreciated only by those in the work or by those who have watched it very closely.

The pupils were divided into two classes, an elementary and an advanced. The work in the advanced class was especially planned to meet the needs of the individual. The current events of our country's history, and in civics, were discussed with an enthusiasm which left no doubt but that in these foreigners we have some of our truest patriots.

In the elementary class no one method of instruction was used. By objects, phonetics, word drills, the telling and reproduction of stories; in short by taking from all methods those that seemed best and most practical, we endeavored making the English language a working tool in the hands and minds of these adult foreigners.

The readiness with which, at the close of the term, the majority translated from their native tongue to our language, and the fluency with which they could ask and answer questions based on the text read for the first time, showed that they were accomplishing that for which they were striving.

Part of every session was spent in writing, and here, too, the practical needs of the pupil were made the basis. In the writing of business letters, the answering of advertisements, the pupils aimed at perfection of form and statement, and they gradually approached that standard.

There were many expressions from the pupils of their appreciation of what the city of Hartford is doing for the foreigners.

In conclusion I would say that we were much helped by the hearty co-operation of the principal of the Evening School and of the Evening School Committee.

ANNA PRIOR, *Instructor.*

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CLASS IN ENGLISH, ROOM 6, 625 ASYLUM STREET.

This class was composed of foreigners from eleven countries, by far the larger per cent. being Scandinavians. The largest attendance for one session was ninety-eight; the smallest, thirty-three. The average attendance for the seventy-five nights was 54.8.

Though the course of study was similar to that of former years, most of the class were farther advanced at the end of the season, than any class heretofore. This would have been impossible but for the regular attendance and close application of the pupils.

Only those who have seen these people at work can comprehend their eagerness to acquire command of the English language. A few scholars came early each evening to study by themselves or to get extra help from the teachers. Others, especially maids, found it impossible at times to arrive before 8 o'clock. Cards were gotten for those who wished to take books from the Hartford Public Library. It was amusing to hear some ask for "hard reading."

Certificates were given to nineteeen who had attended sixty or more sessions. Miss Bertha Benson was perfect in attendance. Messrs. Helerstein, Andreas, Nielson, and Parkinas were absent one session each. Mr. Peter Bassar of Unionville came regularly three times a week.

One man, a Russian, intends to send a petition, signed by pupils, to the Board of School Visitors, asking that the term of 1906-07 be longer than the one past.

I am sure the scholars enjoyed their work no less than did the teachers.

EMILY F. PAUSCH, *Instructor.*

CLASS IN MECHANICAL DRAWING.

Fifty-two individuals received instruction in mechanical drawing during the season of 1905-06. Besides these 27 registered and did not attend, and 4 attended but one session. Of those receiving instruction 18 were born in Hartford, 10 were born elsewhere in Connecticut, 12 were born in other states, and 12 were foreign born. The average age of the class was 22.2 years.

Most of the men worked as machinists during the day, but other trades were represented, such as roofers, stone-cutters, carpenters, tinsmiths, printers, sheet-metal workers, moulders, and electricians. Except for two pupils in the day school all had contact with or hoped to have contact with working drawings in their daily work.

It was deemed advisable this year to instruct the men in the reading of working drawings. To this end instruction was given in the fundamental principles of projection, which is the foundation of all drawing. No attempt was made to perfect the men as draftsmen. The needs of the individuals and their knowledge of these principles were so varied in amount that no class work was possible. The instruction was entirely individual, and beyond the fundamental principles was made to bear

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particularly on the peculiar features of the drawings the men would see in their daily work. Questions from the men on drawing or allied subjects were invited. The instruction given will enable the men not only to read with confidence any working drawing which may be given to them, but to put on paper their own ideas in a universally intelligible form.

In order to emphasize the meaning of and the use for the principles the men made rough drawings from the blue print series used in former years, and particular explanation and concrete citations of the application were made by the instructors.

Instruction was given five evenings per week during November, December, and January, and three evenings per week during February. The men were allowed to come any evening they chose. The following is a condensed record of attendance:

Number of sessions, . . .	17	15	23	13	68
Number of names recorded, . .	48	43	33	22	52
Total present, ...	335	250	256	93	934
Average attendance per session, .	19.7	16.7	11.1	7.1	13.7
Average attendance each pupil, .	7.	6.	7.8	4.2	18
Per cent. of total present, . .	41.	38.	33.	32.	26.

It should be noted in connection with attendance that during February the sessions of the school were held on Monday, Wednesday, and Friday, which nights, it is found coincided with the nights on which three of the factories in the city worked the regular day force until 9 o'clock P. M. This accounts for a marked decrease in attendance in February.

H. W. BASSETT, *Instructor.*

CLASS IN ARCHITECTURAL DRAWING.

The architectural class of the Hartford Public Evening School opened with the school term, the registration being larger than any preceding year. Sessions were held each of the seventy-five nights of the school term. Heretofore the class has met but three nights each week. Thirty-five names were registered at the opening of the school, and the average attendance nightly for November was fifteen. For the months of December, January, and February the attendance averaged between thirteen and fourteen, for each night, the largest registration during school term being thirty-nine names.

The students attending represented the different trades of building, such as masonry, carpentry, electrical work, also structural iron work, and there were also clerks of different employment. Several who attended this year had been at the school the year preceding, and they were given more advanced work.

Individual instruction is necessary in a class of this kind, and the process of making drawings, plan reading, and sketching were taught.

During the latter part of the term this year free-hand work with

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charcoal was taken up, and a fairly good class was organized. Another year this class, I believe will be very successful, much interest being shown in the work this year. Few of the students had ever attempted charcoal work before but showed ability. The idea of holding an exhibition at the close of the term seems to appeal to all students. Work on drawings preparatory to exhibition at the latter part of the term was noticeably better, and comments made by visitors as to the creditable results accomplished were very encouraging.

JAMES L. CHESEBRO, *Instructor.*
EDWARD T. WILEY, *Assistant.*

SEWING AND DRESSMAKING.

The total term registration in this department has been 209; the highest attendance was 73, the lowest was 13; the average attendance for the season was 35. The ages of pupils ranged from 14 to 50 years, and comprised many nationalities. The work of this last season followed very closely the methods of the preceding year, each pupil being advanced as rapidly as her ability warranted. The work accomplished was of a most encouraging nature, as several were worthy of commendation because of the neatness of their work. Many having had no experience prior to the evening school instruction, their progress surprised teachers and all interested in their proficiency.

The principles of sewing were first taught, after which cutting and fitting shirtwaists, dress skirts and waists, undergarments, collars and cuffs, and many minor articles, which seemed to increase the interest, as well as to awaken a spirit of enthusiasm most encouraging to teachers and friends. I am sure that the desires of the committee have been fully realized, — that each pupil has received a permanent benefit for her future use. Many have been inspired to seek a higher employment than could otherwise have been reached had they not been aided by the instruction received in the evening school.

The exhibition at the close of the term occasioned much surprise, and an encouraging prophecy for the future benefits, both educational and otherwise, accomplished by the evening schools. One can hardly realize the far-reaching good radiating from these schools to large numbers of young and older women.

I am not unmindful of the earnest assistance of Miss White and Miss Woolley, whose services have been invaluable in the good work accomplished.

HELEN R. CLARK, *Instructor.*

MILLINERY CLASS.

In the millinery class pupils were first taught to make bands, those being the smallest articles to be used in the work. These bands were made of buckram and wire and covered with velvet, as is done in all millinery establishments. Then old buckram frames were cut over,

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wired and covered with velvet, plain. This taught smooth covering and binding. Old wire frames were next made over and covered with muslin, folds were sewed on the outside and shirrings made for the facing. The next step was to cover the wire frames with straw braid. From time to time this trimming was taken up. By January 17th, the pupils had brought materials for their own hats, and 128 hats were made and trimmed, 88 of them winter hats, most of them shirred on wire, or in fancy flat shirring. These hats were worn during the remainder of the winter. Forty hats were made for spring wear, showing the winter's work in crepe, net, silk, mulle, straw, and maline. Twenty-five of the hats were very elaborate, and would have been a credit to first-class "makers." In all 300 hats were made.

It was found that using the very material of which hats are made is the best method to stimulate interest and arouse pride. It also teaches the correct use of everything that goes to make up a real hat. Talks during the class hour on how to observe, how to combine colors, how to study peculiarities so as to be sure of a becoming hat, how to fit a hat, how to detect a ridiculous and incongruous hat, all these things helped to produce good results. The advantages of the Evening School make it possible for people in ordinary circumstances to have as stylish and as becoming hats at very little expense, as those who are wealthy. Among the pupils were twelve stenographers, five dressmakers, seven school teachers, and several married women with from two to four daughters. Much work was done at home and brought for inspection and criticism. One woman completed seven hats for herself and two daughters. These were not counted in the school work. Several made three hats at home for friends, so we find that the work is not confined to the class room.

The class opened in November with a registration of 173, and it became necessary to work two evenings per week, instead of one as heretofore. The average attendance was 29, the largest 69, and the smallest 10. Many have expressed a wish to continue the work as there is always somthing new to learn in millinery, and we are sure to have a larger class next term.

KATE C. SAUNDERS, *Instructor.*

SHORTHAND AND TYPEWRITING.

The experiment of a class in shorthand and typewriting in the grammar grade was tried. The rooms used were the comfortable double west parlors at 625 Asylum street. There was some delay in beginning, and the class was small, but the interest shown, and the ease with which the pupils grasped what was taught them, indicate that this study can be successfully taught in the grammar grades. The most sanguine could not expect "finished" stenographers as the result of so short a term of training, especially when it is considered that the pupils are employed during the day, some of them in stores from 8 till 6, some in shops, and others variously but steadily employed, and that the same long hours on alternate

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days preclude all thought of study on those days. Consequently practically all studying is done at the school during the two hours of the three evenings each week, and part of this time is given to the work on the typewriter. Youth must have recreation, and even though it was apparent little studying was done out of school, the ambition of the pupils exhibited by their regular attendance and great interest on "regular" nights was gratifying. It requires a clear head, a concentration of mind, and a good memory to master the study of shorthand, and the training must result beneficially, even if never made practical use of.

The system taught was the Munson and the text-book adopted the simple "Shorter Course" of that system. It was not possible to master the entire theory, but sufficient ground was covered to make it possible to take ordinary business letters at a slow rate of speed. The attendance, after the first falling off, was very regular, and regularity is absolutely necessary in following a study like shorthand where a second step is impossible until a first has been taken, and in a school of this kind where a whole class cannot be held back till a delinquent has caught up. The Underwood typewriter was the machine used, and marked progress was made by every pupil in learning the touch system.

Several of the pupils are already planning to keep right on and perfect themselves in the work so well begun in the winter, and it is believed that another season will open with a large registration for the branch of shorthand and typewriting.

(Mrs.) EDITH E. KIBBE, *Instructor.*

BOOKKEEPING CLASS.

The bookkeeping class held this year at 205 Pearl street bade fair to be the best class as regards attendance and good work since I have been the instructor of same. Up to the time of reducing the study evenings to three evenings a week there were 30 scholars in regular attendance This is 50 per cent. of the registration of those who attended one session and a very high per cent. There were 70 scholars registered: 11 did not attend at all; 15 attended but once; 25 attended five times and less than 40 times; 19 attended 40 times or more. The interest taken is shown by the attendance on the last evening of 18 scholars.

One scholar has made application for a position in one of our large insurance companies, and is likely to secure the same. He is at present a time-keeper in one of the factories. His instruction in this class made it possible for him to advance; he took the prize for correctness and neatness of work. Another scholar is to change the firm's books (where she is employed) from single to double entry. She could not believe that she would be able to do this at the end of one season's work. This scholar with her sister has not missed an evening in attendance except when obliged to by the closing of the class-room. Another scholar has secured a position as bookkeeper with a firm in this city. This scholar had no knowledge of bookkeeping before entering the class.

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Aside from bookkeeping the class has been drilled in the use of business forms, and by the aid of Mr. Curtis has been given lessons in writing, some of the scholars showing a marked improvement. Were the school session longer better results could be shown. As it is, good has been done to those who have been faithful in attendance and studies.

GEO. H. BROMFIELD, *Instructor.*

EAST SIDE SCHOOL, 67 TEMPLE STREET.

While the enrollment at 67 Temple street corresponds closely to that of the previous session, there has been a gain in the average attendance. With experience, the Evening School is advancing to a higher level; better methods of teaching are employed, and through a clearer understanding of the character and needs of the pupils, the power of holding them has been strengthened.

IMPROVEMENTS IN THE BUILDING: During the summer the rooms were painted and other improvements made, including curtains for the windows, and a movable partition between two rooms of the Hebrew department, permitting a quick transformation into a hall of fully 150 sittings. This latter is a great convenience as it allows the assembling of the different classes on occasions, — such as the very interesting and instructive stereopticon lecture on the United States, given by Mr. Halsey B. Philbrick, and the closing exercises of the session.

THE HEBREWS: Compared with former years, the Hebrews displayed a superior mental receptivity. There were not so many of the older men as usual, the majority being well under thirty years old. Conditions in Russia were such as to force away the better and educated class of the Jews, the chief reasons for emigration being to escape army service and to avoid arrest as Revolutionists. Hence the state of poverty among them was nothing at all like the two winters preceding. Nearly all were able to find work at once, either in the factories or at trades learned in the old country.

Tailors, tinsmiths, etc., all secured employment at good wages, but a cashier from a bank in Odessa, of fine person and attractive address, was not needed in Hartford banks, and is now working in a tobacco warehouse.

ASSISTANT TEACHERS: The carrying out of an idea of the committee to provide for more individual instruction by assistants to supplement the work of the regular teacher was a successful experiment, and the results justify its continuance.

CLASS 2: In the most advanced class only English-speaking, or very intelligent non-English speaking, pupils are admitted. Here, great stress is laid on practical lessons that will aid in business. The following report was prepared by Miss Lucy M. Parker, teacher: "Owing to the greater ability of the class, more progress was made than in previous years. The main object was the study of English, and the subject matter of the lessons given was chosen with reference to the actual, everyday needs of

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the men and women striving to learn our language. There was no formal study of grammar, and technical terms were avoided except where their use was necessary to explain the inflections of various parts of speech. Constant use was made of dictation and reproduction exercises. Proverbs and fables were largely chosen for this work, because of their two-fold application, the pupil thus being taught to look beneath the surface, and to read with the desire to find the real meaning of a book. Choice selections were memorized, for more than the gain of conscious study of correct form in the unconscious molding of thought to finer quality."

Bills, receipts, business letters in great variety, and social notes were written.

"Fifty Famous Stories," "Short Stories from English History," parts of "Montgomery's American History," "Carpenter's Geographical Reader," and "American Hero Stories" were read with much interest.

CLASS 3: In the intermediate class, Miss Elizabeth Virginia Adams, by the use of phonetics repeated her success of last year. She says:

"Having for many years taught little children to read, and realizing that 'Men are but children of a larger growth,' I began work with my evening class of foreigners, as with children, but with far different results. Men with their mature minds grasped in a few evenings what it takes weeks and months for children to master. The foundations having been well laid, progress was remarkable, in fact, men could and did learn in a few weeks all the English they *thought* they needed. One by one, the brighter ones dropped out, and others came to fill their places, — and is it not the province of the Evening School that each may get as much as he needs, or a working vocabulary of English in the shortest possible time? Many of these men came direct from work, supperless, and their eagerness to learn and application to task in hand would be a valuable lesson for some of our American youth. It is surely an inspiration to me. I cannot say too much in favor of Mr. Robins's 'System of English Phonetics,' a copy of which was placed in the hands of each of my men. With what result? Let me cite one instance:

"'A youth of fourteen, coming alone from Russia and landing in America, January 25th, entered my class January 29th. At the closing exercises on February 28th, he read fluently, pronounced any word from 'at' to 'atmospherical' as fast as written, and wrote on the blackboard, from dictation: stenographer, telegrapher, commissioner, dictionaries, graciousness, and others.

"I desire to thank those in authority, ever on the alert to aid and encourage, and to further success by permitting entire freedom in the carrying out of my ideas and methods in detail."

CLASS 1: The beginners' contained very few who could answer the necessary entrance questions without an interpreter. Following well-tested lines of instruction the pupils made such an advance that during the last month it was possible to supplement lessons in civics by a debating club in which creditable work was done. The class were reading "Fifty Famous Stories" when the session closed.

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An old-fashioned spelling class was an interesting feature of each evening, a well as the singing by these people, fresh from the horrors of Russian massacres, of American folk-songs and patriotic selections.

IMPORTANCE OF THE EVENING SCHOOL: As long as great numbers of foreigners continue to invade America, the value of the Evening School is immeasurable, inestimable. It assists the immigrant from hopeless poverty to remunerative stages in our commercial development. It protects our charitable organizations and almshouses. It greatly facilitates the work of assimilation by bringing these people in contact with positive, intelligent, uniform efforts to inculcate American ideals in social life and government. It loosens the bonds of superstition, of bitter hatred toward the capitalist, of impracticable socialistic ideas and anarchistic tendencies which many bring with them.

The necessity of this work is so obvious that the teachers recognize the imperative demand that in all lessons the refining, sturdy honesty, and civic idea must find expression.

It is surprising to what extent the pupils of only five years ago have prospered. A sentence from an article written recently about the Jew in America applies aptly to our East Side: "To read the names of the signs on Broadway is like reading a chapter in Leviticus."

ITALIAN CLASSES: The Temple street school has two departments: one for the Italians exclusively, while the other gathers in the immigrants from the remaining European races with a sprinkling from Palestine and Arabia. The resignations of Mr. and Mrs. Louis Stanley were received with regret by the school officials, co-teachers, and Italian pupils. Mr. Stanley had been in charge of the Italian work for four years. All appreciated his earnest effort as well as his cheerful, kindly, and encouraging presence. The Italians, now arranged in three classes, were enthusiastic, and made good progress. The open winter kept out many who otherwise would have been in school. They do not come in full numbers until winter really begins, thus shutting off outside work.

ALIDA B. CLARK, *Vice-Principal.*

ITALIAN DEPARTMENT, 67 TEMPLE STREET.

The total enrollment was 239, ages ranged from 14 to 46 years. All but six of those who registered were able to read and write in their own language. The department included barbers, tailors, cobblers, carpenters, factory employees, and other laborers.

The advanced class in charge of Miss Clara B. Dwight registered 59, four of whom were girls. Work was done in arithmetic, spelling, reading, and language; great stress being laid on the work in English, and wonderful results were obtained. Some of the books read were "Carpenter's Geographical Reader, North America," and an advanced history of the United States.

The beginners were in two classes. Many had no knowledge of the English language, were hard working men, laboring long hours, yet by

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intensely earnest and persistent efforts they mastered the English language to such an extent that they were able to speak and read it with a great degree of fluency, and many wrote it very well.

The subjects taught were reading, spelling, oral and written language. Great stress was laid on oral language, and much time each evening was devoted to this work. Some of the books read were "Baldwin's First Reader," "Chancellor's Language Book," "Great Americans for Little Americans," "Stories of American Life and Adventure," and some of the stories in "Fifty Famous Stories Retold."

Miss Dwight, Miss O'Neil, and myself wish to express our appreciation of the support given us by Miss Alida Clark, the Evening School Committee, and the Superintendent of the Public Schools.

MARTHA G. CLARK, *Instructor.*

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Vacation Schools

THE second year of the vacation schools under the direction of the Board of School Visitors was remarkably successful. The attendance was brought to a healthful average of over 1,100, and the results were in every way satisfactory. The board opened a new school at 205 Pearl Street, and in connection with it a playground, the yard being unusually well adapted to such use. It proved to be of great service to the children in the section in which it was located, and the playground was especially popular and profitable. Many mothers expressed themselves delighted with the opportunity of having their little children in a place of safety and under care, and several offers of pay for the service were made. These mothers, most of them, work a great part of the day away from home, and the care and safety of their children is of great importance to them.

The park days and the visits to Keney Park and Elizabeth Park in particular were much enjoyed by the children. The frontispiece illustration gives an idea of the day of sports in Keney Park, and of one of the most attractive spots in the city for a children's playground.

The Civic Club maintained a school garden at Riverside Park during the summer which was successful to a satisfying degree. The coming season the Board of School Visitors will maintain the same garden, and the Civic Club will provide funds for a school garden in the new Colt Park, the two to work together towards a general result. It is expected that both gardens will prove popular and educative to the children.

The report of the principal is appended:

The Hartford Vacation Schools of 1905, were carried on upon lines similar to those of the previous year, the most important change being the shortening of the term by one week, making its duration twenty-five days instead of thirty, as was formerly the case. One Vacation School, that in

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the Northeast district, was discontinued and in place of it a new one was opened on Pearl Street, while at the Brown School the number of rooms was reduced by one.

The schools were located as follows: in the Arsenal School, 3 rooms; in the Brown School, 7 rooms; in the Second North School, 4 rooms; in the Pearl Street School, 2 rooms; in the Charter Oak Avenue School, 3 rooms; in the Lawrence Street School, 5 rooms; in the Wilson Street School, 2 rooms; a total of 7 schools and 26 rooms. The teaching corps included 7 vice-principals, 20 other room teachers, 8 assistants, 3 sewing teachers, two athletic instructors, one drawing teacher, a special teacher of nature work, a playground supervisor, and 3 library assistants.

The new school, that on Pearl Street, was held in the building once occupied by the Brown School Primary Department. This building the Evening School Committee had hired and fitted up in anticipation of their needs in the coming winter, and with its two large sunny rooms it made a very acceptable place for a Vacation School, while the yard was available both for the recesses of the morning session, and as a playground in the afternoons.

This afternoon playground is an integral part of the Vacation School scheme, having been in operation for several summers at the Brown School, whence it was this year transferred to Pearl Street, as it was felt that the former school section was amply provided for at Riverside Park. The playground is under the constant supervision of a competent teacher, and is intended particularly for the benefit of the smaller boys and girls, although the older girls are frequent visitors and are always welcome. Here varied games and sports are engaged in from 1.30 to 4.30 P.M. on every week day except Saturday. It is safe to say that no feature of the Vacation School work was more appreciated by the children of this section than was the afternoon playground, and the question of the desirability of establishing similar ones in other parts of the city, in the coming summer, is well worthy the attention of the committee.

The shortening of the term enabled the committee to readjust the salaries of the teaching force on a somewhat more liberal weekly basis than before, and at the same time to enlarge the scope of the work. Among the improvements thus made possible was the securing of a higher grade of assistants in the lowest rooms in each school. In these rooms the teacher in charge was, in every case but one, a trained kindergartner, and their assistants were young women of at least some little training in that line of work, with especial skill as pianists. This latter ability was made use of in the general assemblies of the schools as well as in the daily songs and games of the little ones.

An innovation this year was the appointment of a special teacher to have charge of the nature lessons, and of one to supervise the drawing and color work. In both of these branches the supervisors prepared a complete schedule of lessons, of which they gave a detailed explanation to the assembled teachers previous to the beginning of the term. Certain days were appointed, upon which the supervisors would be present at the

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various schools and give the lessons in person, either to the separate classes or to the school as a whole, the remaining lessons to be given by the room teacher in the regular daily course. As a result, a great impetus was given to these two subjects, both of which had hitherto lacked system and uniformity, being dependent upon the tastes and training of the room teachers.

The nature schedule was planned to include only those subjects with which the child could be supposed to be already somewhat familiar, at least by name, and upon this basis it aimed to build up a structure of useful knowledge, as far as time should permit. It was as follows:

FIRST WEEK.

First Day. — A talk with the children about their pets. Encourage them to talk. Call attention especially to the need of kind treatment, good care, and proper feeding.

Subject: The Dog. — Study his origin, history, subjugation, domestication, care, different kinds, use as a friend. Have some good stories about dogs for the children to read.

Second Day. — The Horse: origin, domestication. Care of different kinds, — driving, work, race.

Third Day. — Subject: The rabbit, squirrel, rat, and mouse.

SECOND WEEK.

First Day. — Subject: The common toad. Have one or two toads in a cage. Call attention to their spring song, protective coloring, beautiful eyes, value as pets to keep in a garden, habits, food (have insects for feeding), life history.

Second Day.— Subject: Frogs. Leopard, green, bull, wood, tree, salamanders, newts. Have children become interested in them, have feeding tests, show the tongue and teeth, study life history. Know the difference between frog's eggs and toad's eggs.

Third Day. — Subjects: Grasshoppers, crickets, and katydids. Learn the difference between them, their songs, their food and life history.

THIRD WEEK.

First Day. — Subject: Birds. Have pictures of birds in rooms. Study to know well, and become good friends with a few common birds. Draw attention to their nest as their home which must be protected; their manner of building nests; their value and use to man.

Second Day. — Subject: Birds. The food, habits, songs, beauty, and value of the oriole, meadow lark, flicker, woodpecker, chipping sparrow, vireo, quail, ruffed grouse.

Third Day. — Subject: Kindness to birds. Call attention to encouraging birds about our homes, providing for them drinking dishes, boxes for nests, and food in winter.

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FOURTH WEEK.

First Day. — Subject: Beautiful insects. Have as many caterpillars and cocoons as possible. Explain the life history and food; manner of pupating.

Moths: Cecropia, luna, polyphemus, promethea, cynthia, sphinx.

Butterflies: Monarch, swallow tails, antiopa, red admiral, silver spots. Study their haunts and food. Impress upon the children the wonderful transformation from larva to imago.

Second Day. — Subject: Beneficial insects. Learn the habits, haunts, food, value of honey bees, bumble bees, wasps, hornets, lady beetles, ichneumon flies.

Third Day. — Subject: Destructive insects. Study life history and food of codling moth, cabbage butterfly, tent caterpillar, and mosquito.

FIFTH WEEK.

First Day. — Subject: Plants. Flowering plants reproduced by seed, flowerless plants reproduced by spores. Study to learn the names and become friends with the common wild flowers; know their haunts and time of blooming; learn to protect the flowers.

Second Day. — Subject: Ferns. Bring in ferns of every kind. Decorate the rooms with them; study the fruit and beauty of the fronds; plant some at school and at home. Learn to know the cinnamon, interrupted, royal, maiden hair, christmas, polypody, sensitive. Sow spores and raise some ferns at home.

Third Day. — Subject: Moss. Sphagnum, pine-tree, lichen, reindeer, beard, fungi, puff balls, mushrooms, saprophytes.

EXTRA SUBJECTS.

Trees: How many different kinds can be seen on the way to school; how many in good condition, how many in bad condition, and how hurt. Study the tree for its use, beauty, protection. Study oaks, maples, pines, etc.

Ants: Study the different species, manner of building nests, life of the colony, habits, and food.

Competitive flower raising.

The sewing was under the supervision of one of the regular instructors in that work in the city schools, with two assistants. The work is graded to suit the varying ages of the pupils, but no attempt is made to introduce it into the lowest rooms. In this department, as in all the other lines of work, it is the aim to have the pupils complete in the term one or two articles of real significance, rather than to devote the time to a larger number of small pieces.

Athletics form a considerable part of the weekly routine of the Vacation Schools, taking up the major part of the "park" days. This work comprises a great variety of physical exercises, including formal setting-up drills by classes of boys and girls, basket ball for both sexes,

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baseball for the boys, and a general participation in track and field athletics in preparation for the tournament of field sports that is held on the day for the final excursion. At each school are held preliminary trials in which all may take part, and representative teams of boys and girls are thus selected to compete in the final sport.

A valuable part of the Vacation School scheme is the small branch library which is established at each school. Many children are glad to spend an hour reading an interesting and instructive book, who would not be willing to enroll themselves in the Vacation School itself.

The weekly schedule of the Vacation Schools is divided into two distinct parts, three days being devoted to indoor employment and two to outdoor exercises, sports, games, and excursions.

The program of the indoor days varies with successive days, and to some extent with the different schools. The first half-hour is devoted to the opening exercises for which the school assembles as a whole, and in which marching, saluting the flag, singing of hymns and patriotic songs, and recitations by the scholars take up most of the time, after which the pupils file to their rooms. The next half-hour, from 9.30 to 10.00, is assigned to the nature work, when the subject for the day is taken up and studied with the aid of specimens procured as far as possible by the children themselves. From 10.00 until 12.00 come various kinds of hand work. Sewing occupies the girls an hour on two days a week, the boys meanwhile being busy with Venetian iron work, or in some instances with basketry. At all other times the employment of boys and girls is the same, and includes basketry, cardboard construction, paper cutting and folding for the smaller children, drawing with pencil and crayon, and brush work in color and in India ink. Alterations in these different processes varies the days, tending to avoid monotony, but at the same time the endeavor is made to give to each handicraft sufficient time to enable the pupil to become fairly proficient.

The outdoor or "park" days — two each week — have no fixed program. The children assemble at school at the usual hour, and in some cases have brief opening exercises, then proceed in company with their teachers to the nearest park. Here they are met by the athletic instructor and devote the remainder of the morning to the form of outdoor recreation which most appeals to them. In the case of the Pearl street and Charter Oak avenue schools it was found inadvisable to attempt to have the children take the long walk to the nearest public playground so the somewhat narrow limits of the schoolyards were made use of as best could be. It is a pleasure to note that the gift of the Colt estate to the city solves the problem for the Charter Oak avenue school, leaving but one vacation school that is not within easy access of a wide, open plat of ground especially equipped for all sorts of healthful sports.

There were three special series of outings arranged for this year. The first of these consisted in a succession of all-day picnics at Elizabeth Park held on Wednesday, Thursday, and Friday of the third week of the term. A group of either two or three schools was taken each time, and

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the number of children attending on each occasion were 500, 425, and 350 respectively. Each child brought a basket lunch, and the day was spent in enjoyment of the swings, teeters, merry-go-rounds, giant-strides, and other forms of amusements which the Park Commissioners have so thoughtfully provided there; in baseball games between nines from the different schools, in excursions into the woods and fields with their teachers, and in free and happy play in the broad, open spaces of the park. Special electric cars met the children at 9.00 A.M. at the point nearest to each school, took them to the end of the Elizabeth Park line, returning at 3.00 P.M. to take them back to the several schools.

The second series of trips was held in the fourth week of the term, and was for the older pupils only, the point of interest this time being the School of Horticulture. Cars took the children from their schools to the nearest point on Albany avenue, where they were met by the director of the School of Horticulture. A walk of ten minutes brought them to the school, where they were shown over the gardens with their interesting experimental plots of typical grains, fibre-plants, sweet and medicinal herbs, and root and fodder crops. A short time was allowed the children for sport by the little Park River, wading in its shallows, gathering mussels and other specimens for aquaria, and picking the wild flowers which grow so abundantly upon its banks. The return was made at 12.15 P.M.

The last outing was held, as in the previous year, at Keney Park, and consisted in a picnic for all the schools combined. As before, the pupils were taken in special cars from their schools, each district, on arriving, being assigned to a certain section of the grove where facilities were provided for caring for the children's lunches and other belongings, and to which they repaired at lunch time. The field sports were in a large arena roped off from the great playground. Around the ropes were gathered nearly 1,000 merry boys and girls, eagerly cheering on the contestants from their schools. The sports comprised a number of events for both boys and girls, and occupied the time until the call to lunch. Then for a short time the field was comparatively vacant, as the children gathered in groups in the grove. After the children had emptied the baskets and boxes which they had brought, a surprise awaited them. They were assembled by schools, and marched past the ends of a long table from which employees of the Hartford Dairy Company served portions of ice-cream on wooden plates, each with a small tin spoon, the latter being afterwards carefully saved by the children and carried away as souvenirs of the occasion. In the short space of a quarter of an hour over 1,000 portions of ice-cream had been distributed, and the broad field was covered with happy children in enjoyment of the unexpected treat. Soon the notes of a cornet assembled the children in a big group in the shade of some large maples, where they sang America and a number of other patriotic songs. The distribution of prizes to the winners in the field sports ended the formal exercises of the day, and by 4 P.M. the last car had carried away its load of children, tired but happy after a day of unaffected pleasure.

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The statistics of attendance show a marked improvement over those of 1904. The total registration for 1905 was greater by 152, and the average daily attendance was greater by 165 than the corresponding figures for the previous year, although the total number of class rooms was one less, thus indicating that the schools have made considerable progress in winning the support of those for whom they are intended. The following are a few of the more important statistics of the term:

Total registration, all schools,						2,324
Highest attendance, one day, all schools,						1,421
Lowest	"	"	"	"		933
Average	"	for term	"	"		1,149
"	"	1st week	"	"		1,274
"	"	2d	"	"		1,191
"	"	3d	"	"		1,101
"	"	4th	"	"		1,106
"	"	5th	"	"		1,039

In only two days did the attendance fall below the 1,000 mark, and the total daily average attendance of 1,149 makes an average attendance of about 40 scholars for each class-room teacher, a number that is rather too large for successful direction in most kinds of handwork. In this connection it is worthy of note that the total average attendance upon the park and outing days, including the final picnic, was only 1,117 as against 1,167 for the indoor days, thus plainly showing that the pupils are more attracted by the handwork, with its demand for persistent application, than by an opportunity to indulge in the freer games and sports in the open air.

As the attendance upon these schools is wholly voluntary, being dependent in large measure upon the interest with which the teacher is able to invest the varied tasks of the day, the excellent record of the past year is a striking proof of the ability and earnestness of the teaching force. It is an evidence of honest endeavor and faithful performance in a field that calls for free and unstinted giving of self to a degree that can hardly be appreciated by any one who has not had actual experience in it. The reward, however, is correspondingly large and comes in the pupils' manifest pleasure in his growing power to accomplish, and his delight in the tangible witnesses to his skill, as well as in the thought of what it means for these children to substitute the refining and elevating influences of the Vacation School for those which would, in many cases, otherwise surround them.

STANLEY H. ROOD, *Principal.*

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ENUMERATION OF CHILDREN OF SCHOOL AGE.

The following table shows the number of the children of school age (between 4 and 16) in the city by the October enumerations of 1901, 1902, 1903, 1904, and 1905, respectively:

	District.	1901.	1902.	1903.	1904.	1905.
1	Brown,	2,556	2,725	2,283	2,365	2,513
2	South,	6,565	6,736	6,993	7,172	7,380
3	Second North,	1,942	2,000	2,140	2,211	2,351
4	West Middle,	1,580	1,628	1,756	1,881	1,904
5	Arsenal,	1,320	1,379	1,498	1,604	1,660
6	Washington,	1,235	1,141	1,163	1,233	1,281
7	Southwest,	97	119	124	134	125
8	Northeast,	849	835	839	829	844
9	Northwest,	587	606	676	703	760
		16,731	17,169	17,472	18,132	18,818

The State grants for each child enumerated $2.25, which is distributed to the districts through the office of the City Treasurer, the Board of School Visitors furnishing a sworn statement to the Comptroller of the State.

MEDICAL INSPECTION.

In coöperation with this board, the Board of Health has maintained an inspection of the condition of the children in the schools for some years. The work the past year has been of great service in excluding children from school who are likely to affect other children, not only by contagion, but by filthy conditions, head diseases and the like. During the winter special effort has been made to impress upon the parents that children must be sent to school in a cleanly and wholesome condition. Children that have been excluded for one week and returned in the same condition as when they were excluded, have again been sent home, and in case of neglect of parents to properly care for the children in the matter of cleanliness, the parents have been brought before the police court and fined for the neglect. This has had a salutary effect upon the cleanliness of all the children in schools where conditions as related are likely to occur. The following table shows the work of the medical inspectors:

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EXCLUSIONS FROM SCHOOLS BY MEDICAL INSPECTORS.

Months	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Sept.	Oct.	Nov.	Dec.	Total.
Scarlet Fever,	..	..	..	..	..	..	..	1	..	..	1
Diphtheria,	..	1	3	1	..	..	..	..	1	9	15
Measles,	..	..	1	1	3	..	..	..	..	..	5
Whooping Cough,	..	..	..	..	..	..	..	..	..	1	1
Mumps,	..	..	1	..	..	..	..	..	..	2	3
Chicken Pox,	2	..	3	..	6	3	..	..	..	..	14
Skin Diseases,	11	15	15	12	34	9	7	24	19	12	158
Parasitic Diseases,	5	3	18	4	12	14	..	15	11	12	94
Miscellaneous,	10	17	21	5	8	6	3	15	6	4	95
Total,	28	36	61	23	64	32	10	55	37	40	386

SCHOOL ATTENDANCE.

The attendance at school has been excellent, the weather of the winter having been favorable to an exceptional degree. It has been necessary to call the school sessions off but once and then only in the afternoon, which makes a record for continual sessions. The High School has been in session every school day of the year. The increase of truancy is very little, certainly not enough to make the proportion greater than last year when there were nearly 400 less pupils in the schools. The law which compels the attendance of children between seven years and fourteen years is seldom violated, and then only through ignorance. The attendance officer is efficient in keeping such violations at a low ebb, and children found to be employed contrary to law are promptly returned to school. The report of R. W. Williamson, the school attendance officer which follows shows the detail of his work:

Total number of cases investigated,	3,764
Children kept at home by parents,	580
" kept at home by sickness,	1,103
" kept at home by poverty,	235
" taught at home,	2
" mentally or physically disqualified,	63
" withdrawn from school,	
Left town,	168
Gone to work,	310
" whose residence could not be found,	12

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Children found to be truants and returned to school,	61
" found to be truants and committed to Reform School,	11
" found to be truants and committed to Industrial School,	5
" found to be neglected and committed to Temporary Home,	47
" found to be non-attendants, and placed in school,	23
" found to be employed in compliance with law,	310
" found to be employed contrary to law, and placed in school,	24
Total,	3,764

One hundred and twelve (112) cases of poverty were relieved by charity organizations.

EXPENSES.

The expenditures of the Board of School Visitors for the year ending March 31, 1906, were:

Evening Schools,	$12,012.85
Manual Training:	
Salaries,	10,086.56
Repairs,	647.96
Material and equipment,	2,201.98
Vacation Schools,	3,000.00
Text-books, District Schools,	6,471.61
Text-books, High School,	1,877.72
Text-books, Evening High School,	97.71
Text-book covers, High School,	297.26
Superintendent's salary,	1,500.00
Attendance officer's salary,	1,100.00
Attendance officer's expense,	250.00
Rent,	400.00
Printing,	522.00
General expense,	545.18
Total,	$41,010.83

The appropriation was $41,000, the amount returned having been $89.17.

APPROPRIATIONS FOR COMING YEAR.

The amount appropriated by the Common Council, on recommendation of the Board of Finance, for the coming year is as follows:

Evening school,	$11,500.00
Vacation school,	3,500.00
Superintendent's salary,	1,500.00
Attendance officer's salary,	1,100.00
Attendance officer's expense,	250.00

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Printing,	650.00
General expense,	500.00
Office rent,	400.00
Free text-books, district,	7,000.00
Free text-books, high,	1,800.00
Text-book covers,	350.00
Manual Training:	
Salaries,	$10,600.00
Repairs,	650.00
Material and equipment,	2,250.00
New benches and tables (permanent equipment),	750.00
	$42,800.00

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SCHOOL STATISTICS, YEAR ENDING JUNE, 1905.

SCHOOL.	No. Teachers.	Wages.	Enumeration.	REGISTRATION.			No. Different Pupils.	AVERAGE ATTENDANCE.			Sittings.
				Fall.	Winter.	Summer.		Fall.	Winter.	Summer.	
Brown, . .	42	$34,126.86	2,365	1,816	1,783	1,713	2,010	1,514.8	1,486.5	1,486.	1,697
South, . . .	120	80,234.65	7,172	4,212	4,440	4,734	4,734	3,299.	3,511.	3,408.	6,100
Second North, .	35	22,588.12	2,211	1,461	1,458	1,330	1,598	1,164.7	1,167.8	1,157.8	1,329
West Middle, .	37	25,762.73	1,881	1,017	1,001	1,021	1,158	875.	820.	875.	1,053
Arsenal, . .	26	16,517.15	1,604	1,059	1,040	1,034	1,213	873.1	837.4	867.8	1,009
Washington, .	23	15,006.40	1,233	1,005	978	964	1,110	856.4	813.4	869.9	968
Southwest, . .	3	1,655.70	134	104	96	100	118	28.6	25.5	28.8	126
Northeast, . .	22	11,748.00	829	737	717	699	819	629.2	599.1	618.3	786
Northwest, . .	19	9,654.00	703	515	501	520	566	484.	451.	478.	515
High, . . .	44	56,623.00	.....	1,098	1,111	1,044	1,138	1,038.	939.	878.	1,350
Total, . .	371	$273,916.61	18,134	13,024	13,125	13,159	14,458	10,769.8	9,711.7	10,667.6	14,933

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RECEIPTS OF DISTRICT SCHOOLS AND HIGH SCHOOL, YEAR ENDING JULY 15, 1905.

SCHOOL.	From Town Treasury.	From District Taxes.	From Loans.	Cash on hand and other sources.	Total.
Brown, . .	$21,559.20	$36,783.67	.....	$688.92	$59,031.79
South, . .	55,149.96	80,706.50	$47,500.00	20,144.35	203,500.81
Second North, .	13,476.95	21,150.09	48,750.00	3,039.28	86,416.32
West Middle, .	21,952.16	32,874.10	.....	1,354.54	56,180.80
Arsenal, . .	5,972.26	15,446.17	9,500.00	4,428.88	35,347.31
Washington, .	3,972.48	14,944.41	20,015.56	3,800.30	42,732.75
Southwest, .	883.02	2,166.50	.....	.....	3,049.52
Northeast, .	4,979.12	16,462.89	.....	157.20	21,599.21
Northwest, .	6,417.53	11,359.56	.....	949.34	18,726.43
High, . .	77,831,63	.....	.....	9,549.40	87,381.03
Total, . .	$212,194.31	$231,893.89	$125,765.56	$44,112.21	$613,965.97

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DISBURSEMENTS OF DISTRICT SCHOOLS AND HIGH SCHOOL, YEAR ENDING JULY 15, 1905.

School.	Construction and Repair.	Maintenance.	Interest.	Liquidation.	Library and Apparatus.	Other Purposes.	Cash on Hand.	Total.
Brown, . . .	$2,700.88	$36,804.10	$5,000.00	.....	$1,247.04	$5,000.51	8,279.26	$59,031.79
South, . . .	30,435.24	107,010.63	18,061.67	$30,000.00	623.51	15,861.16	1,511.81	203,504.02
Second North, . .	1,852.41	24,589.31	7,773.87	43,500.00	289.68	6,584.18	1,826.87	86,416.32
West Middle, . .	2,519.09	31,227.76	10,062.00	.....	99.55	4,557.10	7,715.30	56,180.80
Arsenal, . . .	794.46	18,338.92	4,444.11	8,130.95	80.48	3,317.86	240.53	35,347.31
Washington, . .	814.89	17,168.35	853.26	15,000.00	1,354.48	2,424.89	5,126.88	42,742.75
Southwest, . .	98.00	2,313.70	750.01	.....	.....	45.00	.....	3,206.71
Northeast, . . .	299.64	13,309.05	2,380.00	2,675.62	54.71	1,000.00	1,880.19	21,599.21
Northwest, . .	1,247.67	11,232.00	3,492.04	1,000.00	195.84	3,765.53	.....	20,933.08
High, . . .	6,586.51	62,321.34	.....	.....	2,262.83	13,246.65	2,963.70	87,381.03
Total, . . .	$47,349.79	$324,315.16	$52,816.96	$100,306.57	$6,208.12	$55,802.88	$29,544.54	$616,343.02

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SCHEDULE OF SCHOOL PROPERTY AND DEBT, JULY, 1905.

SCHOOL.	Land and Buildings.	Equipment.	Bonded Debt.	Temporary Debt.	Total Debt.
Brown,	$600,000	$55,000	$110,000	.....	$110,000 00
South,	650,000	50,000	450,000	$62,500.00	512,500.00
Second North,	240,000	26,000	177,000	25,000.00	202,000.00
West Middle,	170,000	25,000	246,000	33,000.00	279,000.00
Arsenal,	65,000	19,000	74,000	3,500.00	77,500.00
Washington,	100,000	7,000	80,000	.....	80,000.00
Southwest,	25,000	1,200	15,000	.....	15,000.00
Northeast,	60,000	5,000	68,000	.....	68,000.00
Northwest,	75,000	12,000	.....	96,301.32	96,301.32
High,	540,000	84,500	.....	.....	....
Total,	$2,525,000	$284,700	$1,220,000	$220,301.32	$1,440,301.32

RATE OF TAXATION IN SCHOOL DISTRICTS.

Brown,	2 mills.	Washington,	5 mills.
South,	6 "	Southwest,	5 "
Second North,	5 "	Northeast,	6 "
West Middle,	3 "	Northwest,	5 "
Arsenal,	5½ "		

CORPORATION TAXES.

The amount of taxes collected from stocks of corporations by the State and apportioned to the school districts through the office of the City Treasurer is shown by the following table:

Brown School District,	$9,007.33
South School District,	16,005.86
Second North School District,	1,107.56
West Middle School District,	13,265.76
Arsenal School District,	893.75
Washington Street School District,	1,273.86
Southwest School District,	129.20
Northeast School District,	94.34
Northwest School District,	2,994.32
Total,	$44,773 98

Respectfully submitted,

THOMAS S. WEAVER,
Superintendent Public Schools.

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HARTFORD PUBLIC HIGH SCHOOL.

CLASS OF 1905.

Ad Rem.

Elizabeth Frances Ahern
Anna Rose Allis
Clara Catherine Angus
Mabelle Aldrich Bissell
Agnes Marie Nelson Broughel
Gladys Brower
Annie Graham Brown
Annie Loretta Burns
Mary Elizabeth Burns
Esther Jennings Cady
Mary Cecelia Dahill Carey
Marguerite Beardsley Church
Edna May Clark
Annie May Cleveland
Ethel May Clogston
Marion Atwood Collins
Hannah Cornfield
Catherine Agnes Coughlin
Mildred Covell
Marion Clarissa Cross
Erma Leona Culver
Kittie Leah Danforth
Eva Sarah Davis
Mary E. Gardner Dillon
Sarah Root Dunham
Helen Frances Dwyer
Josephine Dwyer
Alice Havens Farmer
Marion Flagg
Mary Catharine Fox
Nettie Marion Gauthier
Bridget Agnes Glynn
Dulce Green
Elizabeth Rosaline Harris
Marion Emeline Hosford
Marjorie Frances Howe
Christine Martina Johnson
Helen Gaylord Johnson
Ruth Johnson
Florence Jennie King
Martha Ellen King
Sarah Koppelman
Agnes Elizabeth Kullgren
Olga Rebecca Kullgren
Mable Edythe Laraway
Emilie Elizabeth Leschke
Rachel Sara Leventhal
Irene Rinda Marcy
Margretta Martin
Mary Agnes McCarthy
Hazel Anna McClunie
Elizabeth Agnes McDonnell
Helena Franklin Miller
Jean Mitchell
Mabel Moore
Mary Noack
Helen Veronica Noonan
Florence Eleanore Oatman
Sarah Tyler Plummer
Florence Philomena Melvin Roper
Sarah Eveline Sears
Edith May Seidler
Helen Marion Seidler
Minnie Ethel Selby
Martha Cordelia Smith
Elsie Fisher Steinheimer
Florence Letitia Stronach
Mary Anastasia Sullivan
Arline Deolph Taintor
Grace Horner Taylor
Lulu Marie Toohey
Anna Veronica Toomey
Elinor Maybelle Utley
Mabelle Eleanor Wander
Sarah Anna Ward
Elizabeth Hale Chapman Warner

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Marion Manning Welch
Emily Adams Welles
Annie Wiggin
Imogene Marion Helen Winter
Paul Humphrey Barbour
Orin Lamson Beach
Claude Gillette Beardslee
Harold Crusius Bird
Henry Lee Bunce, Jr.
William Leroy Burdick
Raymond Marcy Burnham
Hollis Smith Candee
Frank Thompson Case
Clifford Willis Caulkins
Walter Edward Claussen
Chauncey Fitch Cleveland
Michael Augustine Connor
William Thomas Coyle
Alexander Wellington Creedon
Edward Walter Creighton
William Dwyer
Charles Parker Eddy
Paul Harden Elsdon
Morris Stanley Falk
Oliver Dwight Filley
Montague Flagg
Everett Selden Geer, Jr.
Charles Gildersleeve
James Gordon Goodell
Robert Noah Griswold
Edward Walter Gustafson
Francis Henry Hafey
William James Hamersley
Lewis Gildersleeve Harriman
Benjamin Rawles Hawley
Victor Hellmann
Joseph Kilbourne Hooker
Robert Mayro Keeney
Joseph Birney Kilbourn
Robert Burr King
Charles Henry Latham, Jr.
William Hebrew Linton
Robert Lowell Mason
Robert Harrison Mather
Thomas Joseph Molloy
Harry Augustine Moran
Allan Platt Northend
Solomon Colman Poriss
Warren Cone Pratt
Philip Walter Raymond
George Wilson Roberts
Paul Roberts
Vernon Howe Salmon
Arthur Hiram Samuels
Bertram Irving Seward
Owen Lee Seward
Mark Skinner
Henry De Witte Smith
Alfred Joseph Stafford
Arthur Raymond St. John
Henry Welch Swettenham
Nelson Case Taintor
Percy Penfield Taylor
Douglas Hotchkiss Thomson
Meade Wildrick

PRIZES FOR THE YEAR ENDING JUNE, 1905.

SCHOLARSHIP.

Senior Class,	Helen F. Dwyer,	$15.00
Senior Class,	Marion M. Welch,	10.00
Junior Class,	Nina W. Morgan,	15.00
Junior Class,	*Katherine M. Daly,	5.00
Junior Class,	*Samuel M. Cohen,	5.00
Third Class,	Jasper R. Moulton,	15.00
Third Class,	Louis Kofsky,	10.00
Fourth Class,	Carrie L. Hastings,	15.00
Fourth Class,	A. Erwin Rankin, Jr.,	10.00

*Second prize equally divided.

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BATTERSON PRIZE DEBATE.

Hopkins *vs.* H. P. H. S. Debating Club,
Won by Hopkins Debating Club.
First prize was awarded to Thomas J. Molloy.
Second prize was awarded to Thomas Hewes.

THE '78 PRIZE FOR THE BEST ORATION.

Lewis G. Harriman.

THE '88 PRIZE FOR THE BEST ESSAY.

Jean Mitchell.

THE '89 PRIZE FOR THE BEST LATIN EXAMINATION FOR FOUR YEARS.

Helen F. Dwyer.

THE '96 PRIZE FOR THE BEST MATHEMATICAL EXAMINATION FOR FOUR YEARS.

Helen F. Dwyer.

THE 1900 PRIZE FOR THE BEST ENGLISH EXAMINATION FOR FOUR YEARS.

Marion M. Welch.

The Daniel Goodwin Scholarship in Trinity College was awarded to Lewis G. Harriman.

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HIGH SCHOOL COMMITTEE.

1905.

ARCHIBALD A. WELCH, *Chairman.*
JOSEPH SCHWAB, *Treasurer.*
L. P. WALDO MARVIN, *Secretary.*
FREDERICK W. DAVIS.
JOHN J. McCOOK.

TRUSTEES OF HARTFORD GRAMMAR SCHOOL.

NATHANIEL SHIPMAN, *Chairman.*
FRANCIS PARSONS, *Secretary.*
JONATHAN B. BUNCE.
AUSTIN C. DUNHAM.
FRANCIS GOODWIN.
EDWARD B. HOOKER.
HENRY S. ROBINSON.

SUPERINTENDENT OF PUBLIC SCHOOLS.

THOMAS S. WEAVER, 36 Pearl Street.

SUPERINTENDENT OF THE BUILDING.

FRED F. PAYNE, 211 Sargeant Street.

JANITOR.

CHARLES SEYMOUR, 39 Warren Street.

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TEACHERS IN THE HARTFORD PUBLIC HIGH SCHOOL, 1905-06.

Edward H. Smiley, LL.D.,	Principal	244 Collins St.
R. Eston Phyfe, A.B.,	Vice Principal,	233 Sargeant St.
Frank P. Moulton, A.M.,	Latin,	245 Collins St.
David G. Smyth, A.B.,	Mathematics and Physics,	46 Willard St.
Homer W. Brainard, A.B.,	Mathematics,	88 Kenyon St.
Clement C. Hyde, A.B.,	Science,	16 Lenox Court.
Franklin H. Taylor, A.M.,	Latin,	23 Lincoln St.
Alfred M. Hitchcock, A.M.,	English,	60 Homestead Ave.
Frank J. Preston,	Woodworking,	30 Raymond St.
Lewis W. Allen,	Physical Training,	155 Beacon St.
Arthur B. Babbitt,	Constructive Drawing,	611 Albany Ave.
Samuel M. Alvord, A.B.,	Latin,	254 Ashley St.
Frederick S. Morrison, A.B.,	Greek,	63 Deerfield Ave.
Geo. B. Kingsbury, A.M.,	Bookkeeping,	229 Sargeant St.
William C. Holden, M.E.,	Metal Work,	271 Sargeant St.
Walter F. Kenrick, A.M.,	Latin and English,	17 Marshall St.
Ralph L. Baldwin,	Vocal Music,	81 Tremont St.
George E. Davis, A.B.,	Latin and Mathematics,	94 Huntington St.
Katherine Burbank,	Librarian,	714 Asylum Ave.
Clara A. Pease.	Science,	1492 Broad St.
Lucy O. Mather,	Mathematics,	747 Asylum Ave.
Anna H. Andrews, Ph.B.,	Mathematics,	167 Beacon St.
Mary L. Hastings,	English,	69 Elm St.
Jennie A. Pratt,	Mathematics and History,	South Glastonbury.
May B. Bald, A.B.,	English and History,	235 Sisson Ave.
Elisabeth W. Stone, B.L.,	Science,	40 Allen Place.
Margaret T. Hedden,	Domestic Science,	26 Whitney St.
Alice L. Cole, A.B.,	Latin,	31 Farmington Ave.
Elisabeth M. Brandt,	French and German,	235 Sisson Ave.
Louise G. Stutz,	French and German,	47 Farmington Ave.
Katherine L. Hills,	Physical Training,	202 Windsor Ave.
Elizabeth C. Wright, A.B.	English and Mathematics,	115 Allen Place.
Helen L. Wolcott, A.B.,	Mathematics,	Wethersfield.
Mary A. Sawtelle, Ph.B.,	English and French,	23 Marshall St.
Jane MacMartin,	German,	22 Niles St.
Mary E. Alexander,	Stenography,	31 Russ St.
Cora Greenwood,	Free-hand Drawing,	17 Haynes St.
Harriet Robbins, A.B.,	Mathematics and History,	Wethersfield.
Edith L. Risley, B.S.,	Mathematics,	290 Sigourney St.
Eldora J. Birch, B.S.,	Science,	East Hartford.
F. Elizabeth Mack,	English,	Windsor,
Mary C. Welles, Ph.D.,	English and History,	Newington.
Cordelia D. Gaylord, A.B.,	English and Mathematics,	1544 Broad St.
Margaret S. Lewis,	English and Mathematics,	731 Asylum Ave.
Mary M. Partridge,	English,	9 Columbia St.
Iola L. Pearl,	Bookkeeping,	31 Russ St.
Rebecca C. Shepherd,	French and German,	175 Sigourney St.
Georgine van Braam,	French and German,	136 Main St.
Annie L. Holcomb,	Secretary,	154 Capitol Ave.
Grace E. Hyde,	Principal's Assistant,	16 Lenox Court.

REQUIREMENTS FOR ADMISSION TO HIGH SCHOOL.

1. All candidates for admission to the High School must be twelve years of age. If from the Brown, South, Second North, West Middle, Arsenal, Washington street, Northeast, or Northwest Schools they must

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have been members of the first class of the first department of such schools for one year previous to their application for admission, and must have been thoroughly instructed in the studies required to be taught in such schools by the regular use of the text-books prescribed by the Board of School Visitors, and also be recommended by the principal of the school which they last attended as qualified by attainments and character to become members of the High School. They must also, at the time of their application, present a certificate, signed by the principal of the school which they last attended, certifying to the requirements herein named. If not so certified for promotion to the High School, they will be obliged to pass the regular examination in reading, writing, spelling, arithmetic, geography, grammar, and history of the United States.

2. The regular examination occurs at the close of the summer term in June, but those prevented by sickness or other sufficient cause from attending it are allowed a special examination at certain times during the year.

3. Candidates residing out of Hartford, and qualified in the abovementioned or equivalent studies, may be admitted on a special examination, which shall be satisfactory to the Principal and Superintendent of the Public Schools. It should be understood, however, that this examination is not designed to be, in any essential respect, on a lower standard than the other. It differs from it only so far as may be necessary to suit the various courses and methods of study in the different schools from which the candidates come. The charge for tuition is $3.25 per week, which includes use of text-books.

None of the examinations are in any sense public, each candidate being quite by himself when examined orally, as in reading, etc. Each one also receives written or printed questions upon the principal studies, which are to be answered only in writing.

IRREGULAR PUPILS.

It is expected that those who enter the school will ordinarily join some one of the regular classes in any department, take the studies prescribed for that particular class, and attend all the school sessions. But in *special cases,* particularly when feebleness of health requires it, pupils are allowed to be irregular, both as regards attendance and recitations.

DISCIPLINE.

Copies of the "Regulations of the High School" may be had upon application to any of the teachers.

EXAMINATIONS.

Written examinations occur in January and June, and no pupil is allowed to advance to the next class who has failed to pass them satisfactorily. The standard necessary for a promotion is five on a scale of ten.

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SCHOOL CALENDAR, 1906-07.

Summer Term begins April 23, 1906.
Summer Term ends June 29, 1906.
Summer Term ends, High School, June 22, 1906.
Fall Term begins September 12, 1906.
Fall Term ends December 21, 1906.

Winter Term begins January 3, 1907.
Winter Term ends March 22, 1907.
Summer Term begins April 8, 1907.
Summer Term ends June 28, 1907.
Summer Term ends, High School, June 21, 1907.

NO-SESSION SIGNALS.

In very inclement weather, signal for no morning session at 8 A.M.; for no afternoon session on same day at 12.30 P.M.; for no afternoon session on a day of a morning session at 11.40 A.M.

The signal consists of a long blast followed by two short blasts of the steam whistles of the following companies: The Colt's Patent Firearms Company, The New England Brewing Company, The Central New England Railroad Company, The Pratt & Whitney Company, and The Hartford Rubber Works Company.

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DISTRICT SCHOOLS.

RULES FOR THE GOVERNMENT OF SCHOOLS.

I.

THE SCHOOL YEAR.

SECTION 1. In those schools which are continued through the year, the vacations shall be as follows: One of two weeks, known as the Easter vacation; one commencing with the close of the usual school exercises on the last Friday afternoon in June, and ending on Tuesday preceding the second Wednesday in September following; and one commencing with the day before Christmas, and closing the day after New Year's.

SEC. 2. In those districts where schools are kept only a portion of the year, the school term shall be arranged by the respective districts.

SEC. 3. The regular holidays shall be the State Fast Day Thanksgiving Day with the day following, Washington's Birthday, Memorial or Commemoration Day, Lincoln Day, and every Saturday. No school shall be suspended on any other occasion, except for special and important reasons, and then only by express permission of the Superintendent of Public Schools.

II.

SESSIONS AND EXERCISES.

SECTION 1. The forenoon session of all the schools shall commence at *nine* and close at *twelve* o'clock. The afternoon session shall commence at *half past one* and close at *half past three o'clock*. The kindergarten department shall be conducted during the forenoon session only. No pupils shall be detained after the regular hour for dismissal.

SEC. 2. There shall be a recess of fifteen minutes in all the departments of the schools during each forenoon session. There shall also be a recess of ten minutes during each afternoon session. This recess shall, however, be confined to the primary departments. Whenever a recess shall occur in any department all pupils shall be required to take exercise in the open air during such recess, and they shall neither be prohibited nor excused from so doing, except on account of ill health or extreme bad weather. It shall be the duty of the teacher to improve each recess for the thorough ventilation of the schoolroom.

SEC. 3. There shall be daily religious exercises in each school, at the commencement of the morning session, consisting of the reading of the Scriptures and prayer by the teacher.

SEC. 4. No one shall be allowed on the school premises to offer anything for sale, for exhibition, or to solicit subscriptions, or to give public notices not appertaining to the school.

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III.

ENTRANCE DAYS, ADMISSIONS, ETC.

SECTION 1. The regular days for the admission of pupils to the schools shall be the first day of each term, and the first Monday of each calendar month thereafter, during the term; provided, however, that admission to the lowest grade of the primary department and kindergarten of each public district school be on the first day of each term and the first Mondays of October, February, and May, and at such other times as the Superintendent of Public Schools for cause shall order.

SEC. 2. Pupils entering the district schools shall be classified according to the judgment of the principal.

SEC. 3. Any pupil in any department, except the primary, who shall be absent or tardy five sessions, unexcused by the principal, since the last entrance day, except for sickness or the death of friends, or who shall be found unable to retain his place in the class without retarding the progress of the class, shall be assigned, on the judgment of the principal, to the next lower class. And any pupil who shall have ten unexcused failures during a term, in the regular lessons of the class to which he belongs, may be assigned to the next lower class.

SEC. 4. There shall be no stated examinations in the district schools. Promotions from one class to another shall be based upon a series of tests, having particular reference ot the scholarship of pupils, together with the judgment of the principal as to their general qualifications. At least four such tests shall be made during the school year — two during the fall and two during the winter term.

SEC. 5. Public exercises of a popular character, as shall best be adapted to exhibit the scholarship and attainments of the pupils and maintain a lively interest on the part of parents and others in the prosperity of the several schools, may be given for one day near the close of the fall and winter terms, and at such other times as the Superintendent of Public Schools for cause shall order.

IV.

DUTIES AND POWERS OF TEACHERS.

SECTION 1. All teachers in the public schools are expected to make themselves familiar with these regulations of the Board of School Visitors, and to see that they are faithfully observed.

SEC. 2. All the schoolrooms shall be opened and every teacher shall be *present* at his or her school room *fifteen* minutes before the time appointed for the commencement of each session; and in the High School, where there is but one session, all teachers shall remain in their rooms at least *twenty minutes* after the close of each session, for the purpose of giving special aid and personal explanation to scholars wishing the same. The time of each teacher during school hours shall be devoted exclusively to the duties of the school.

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SEC. 3. All teachers connected with the kindergarten department shall devote their whole time to the instruction of their pupils while the department is in session, and no kindergarten shall in any way be used for the purpose of a training school.

SEC. 4. The head teacher of each schoolroom shall keep a register of the name, age, daily attendance, and date of admission of each scholar, so arranging the same that the Superintendent of Public Schools my see at once the whole number registered, the number present at each session, the average daily register and attendance for each week, and the *per cent.* of average attendance to the average register of each month, term, and year, and furnish a certified abstract of the same to the clerk of the district at the close of each term.

SEC. 5. Teachers shall investigate all cases of absence or tardiness, and may require an excuse for the same from the parent or guardian, in writing or in person.

SEC. 6. Teachers shall seek, in all cases, to govern their scholars by moral means; but, in cases where such means, faithfully used, fail to produce reformation, the principal may administer corporal punishment.

SEC. 7. The principal of each graded school shall have charge of the order, discipline, and arrangement of studies therein, and each subordinate teacher shall be responsible to the principal, and see that his instructions in reference thereto are faithfully observed.

SEC. 8. Whenever the example or influence of any scholar shall become injurious to a school, and reasonable efforts for reformation have proved unavailing, it shall be the duty of the principal to inform the parent or guardian, and, in case no improvement is then secured, it shall be the duty of the principal to report the case of such scholar to the district committee for suspension or expulsion.

SEC. 9. The departmental system shall not be used in any of the district schools.

SEC. 10. The principals shall be at liberty to prescribe special rules for the discipline and instruction of their respective schools, not in conflict with these regulations, and *subject to the approval of the Board of School Visitors.*

V.

SECTION 1. It being desirable that uniformity be observed in the return of the names of the chairmen of the several school committees of the town, and of the teachers employed in the High School and the district schools, for the purpose of publication in the Annual Report of the Board of School Visitors, it is hereby directed that the names be returned as early as practicable after the commencement of the fall term, and in the following order, to wit:

First. That of the chairman of each school committee.

Second. That of the principal of each school.

Third. The name or names of such male associates or assistants as are constantly employed in the same school.

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Fourth. The names of female teachers by departments, and in such order as their position in the same shall require.

Fifth. The name or names of those instructors who give lessons, from time to time in prescribed or special branches.

The foregoing returns are to be made by each principal to the Superintendent of Public Schools annually, and as early as convenient after the commencement of the fall term of the school.

VI.

DUTIES OF PUPILS.

SECTION 1. Pupils should be regular and punctual in attendance, cleanly in person, industrious, respectful, and obedient, avoiding all rude, boisterous, and violent conduct in and about the school building and on the way to and from school.

SEC. 2. Any pupil guilty of profanity, obscenity, truancy, or any violent opposition to authority or of willfullv cutting, defacing, or otherwise injuring the school buildings, or school property, may be temporarily suspended by the principal, who shall immediately report the offender to the district committee, for suspension or expulsion, at the discretion of the committee.

SEC. 3. No pupil shall be allowed to leave school before the regular hour of dismission, except when the principal judges it to be necessary, on account of sickness or some imperative necessity, and in no case for the purpose of attending any place of public amusement.

VII.

TEXT-BOOKS AND STUDIES.

SECTION 1. The text-books used in all the district schools shall be of the same kind, and only such books shall be used, and such studies pursued, as have been prescribed and authorized by the Board of Visitors.

SEC. 2. A portion of each session shall be devoted to singing, in which all pupils are expected to join.

SEC. 3. The studies pursued in the district schools shall be reading, spelling, writing, moral science, grammar, arithmetic, geography, American history, drawing, woodworking, sewing, cooking, music, and the elements of physiology and hygiene.

TERMS OF ADMISSION TO THE DISTRICT SCHOOLS.

Each district school is free to all children of school age residing within it limits; to others a tuition fee is charged. Applicants for admission must present a certificate of successful vaccination by inoculation, signed by a reputable physician.

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HIGH SCHOOL.

VIII.

SECTION 1. All the rules of the district schools shall be applicable to the High School, except such as are superseded by the special regulations for the High School contained in this chapter.

SEC. 2. There shall be but one session in the High School, which shall commence at 8.45 o'clock A.M., and shall close at 1.35 o'clock P.M., with a recess of twenty minutes, during which all pupils shall be required to take exercise in the open air, and they shall neither be prohibited nor excused from so doing except on account of ill health or extremely bad weather. It shall be the duty of the teachers to thoroughly ventilate the schoolrooms during each recess.

SEC. 3. All candidates for admission to the High School must be twelve years of age. If from the Brown, South, Second North, West Middle, Arsenal, Washington Street, Northeast or Northwest Schools, they must have been members of the first class of the first department of such schools for one year previous to their application for admission, and must have been thoroughly instructed in the studies required to be taught in such schools by the regular use of the text-books prescribed by the Board of School Visitors, and also be recommended by the principal of the school which they last attended as qualified by attainments and character to become members of the High School. They must also, at the time of their application, present a certificate signed by the principal of the school which they last attended, certifying to the requirements herein named. If not so certified for promotion to the High School, they will be obliged to pass the regular examination in reading, writing, spelling, arithmetic, geography, grammar, and history of the United States.

SEC. 4. The examination of candidates for admission to the High School shall be held at a time appointed at the end of the summer term, and shall be conducted by the principal and his associates. It shall be the duty of the Superintendent of Public Schools to examine and revise, if he deem it expedient, the series of questions prepared for the candidates for admission, and no list of questions shall be employed for this purpose without his consent and approval. He shall also examine the papers of candidates who have failed at their examination, and, if he concur with the principal in his decision, their rejection shall be final; otherwise, they may be admitted to a second examination.

SEC. 5. The vacations and holidays for the High School shall be the same as those prescribed for the district schools, and, in addition, Commencement Day at Trinity College.

SEC. 6. Pupils who have been absent ten sessions since the first day of the term, for any cause except sickness or the death of friends, shall be assigned to a lower section; and in case they are members of the lowest section they may be remitted to the first department of the district school within the bounds of which they may reside. Absences of the kind excepted in this section shall have no effect upon the monthly rank; but all

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others shall be reckoned in the account — two marks for tardiness being considered equal to one for absence. An excuse for absence or tardiness must be signed by the parent or guardian.

SEC. 7. Any pupil whose average in scholarship shall be less than *five* on a scale of *ten*, during a period of twelve weeks, shall be assigned to the class or school next below, as provided in Section 6. Any pupil who shall have received thirty demerits in deportment, during a period of sixty days of successive attendance by said pupil, shall be suspended from school for such time as the principal shall direct.

SEC. 8. Candidates for admission to the High School, not residents of the town of Hartford, may be admitted on a special examination, satisfactory to the principal and Superintendent of Public Schools.

SEC. 9. In case any candidate for the High School shall be prevented by sickness or the death of friends, or other sufficient cause, from attending the examination of candidates, and in the case of persons who are not residents of the town at the time of such examination, but may have become residents within the current year, they shall have special examinations, which, if satisfactory, shall entitle them to become members of the High School; provided that such examination shall be of the same character, and in the same or equivalent studies, as at the regular examinations.

SEC. 10. The Superintendent of Public Schools shall have discretionary power to admit in the High School applicants who are unable to attend school during the full sessions and who desire to pursue one or more branches of study; provided, that such branches are taught in the school, and that such applicants are qualified to enter the classes already existing. With the exception above named, those who enter the school will join some one of the regular classes in any department, take the studies prescribed for that particular class, and attend all the school sessions.

SEC. 11. The parents of pupils will be kept informed of the standing of their children by individual reports issued at intervals of six weeks. These reports must be returned, with the signature of the parent or guardian.

SEC. 12. An annual written examination shall take place at the close of the summer term, and no pupil who shall have failed to pass this examination satisfactorily shall be allowed to advance to the next class. Diplomas will be presented at close of the school year, in June, to those who shall have completed the regular course of study with credit, and shall have passed a satisfactory examination upon the same.

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FIRST SCHOOL DISTRICT.

BROWN SCHOOL.

Nos. 160-180 Market Street.

COMMITTEE.

George C. Bailey, *Chairman,* 65 Church Street.
Edwin Strong, 79 Church Street.
Morris Older, 20 Morgan Street.
Clerk — John I. Hogan, 53 Grove Street.
Treasurer — Hartford Trust Company, 764 Main Street.
Collector — Otis J. Hart, 114 Pearl Street.
Auditors — Thomas W. Morgan, Samuel N. Raymond, 223 Asylum Street.
Rate-maker — George B. Preston, 1208 Broad Street.

TEACHERS.

Charles L. Ames,	Principal,	1281 Main Street.
Henry M. Mayer,	Assistant Principal,	126 Windsor Avenue.
Solon P. Davis,	Supervisor of Drawing,	86 Edwards Street.
Clara M. Goodman,	Teacher of Drawing,	149 Sigourney Street.
Frederick A. Curtis,	Teacher of Writing,	5 Florence Street.
Ralph L. Baldwin,	Supervisor of Singing,	81 Tremont Street.
A. Elizabeth Heppe,	Secretary,	The Goodwin.
Alida B. Clark,	Grade IX,	6 Florence Street.
Hannah F. Bailey,	Grade VIII,	65 Imlay Street.
Calista A. Dean,	Grade VIII and VII,	The Goodwin.
Mary E. Emerson,	Grade VII,	63 Girard Avenue
Josephine F. St. John,	Grade VI,	East Hartford.
Kate A. Callahan,	Grade VI,	86 Ann Street.
Lucy M. Parker,	Grade VI,	122 Wethersfield Ave.
Minnie A. Bailey,	Grade V,	65 Imlay Street.
Julia W. Mansuy,	Grade V,	West Hartford.
Annie L. Guilfoil,	Grade IV,	157 Capitol Avenue.
Emma L. Standish,	Ungraded,	Wethersfield.
Francesca A. Henke,	Ungraded,	36 Jefferson Street.
Edith H. Rosenthal,	Grade IV,	49 Annawan Street.
Babette Wieder,	Grade IV,	134 Woodland Street.
Mary S. Waterman,	Grade III,	96 Sargeant Street.
Kate S. Murphy,	Grade III,	3 Linden Place.
Mary A. Dooley,	Grade III,	139 Collins Street.
M. Alice Sherman,	Grade III,	West Hartford.
Harriet E. Pease,	Grade II,	281 Windsor Avenue.

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M. Matilda Kane,	Grade II,	147 Maple Avenue.
Mary C. Ryan,	Grade II,	66 Hudson Street.
Rose A. Maloy,	Grade II,	36 Annawan Street.
Belle Elsner,	Grade II,	99 Bellevue Street.
Florence M. Spencer,	Grade II,	East Hartford.
Harriet F. Barrows,	Grade I, Head Ass't,	53 Magnolia Street.
Minna Hellman,	Grade I,	502 Windsor Avenue.
Winnifred A. Ryan,	Grade I,	131 Park Street.
May E. Robbins,	Grade I,	Rocky Hill.
Julia C. Spellacy,	Grade I,	115 Wethersfield Av.
Cornelia A. Morris,	Grade I,	52 Washington Street.
Grace M. Flynn,	Assistant,	95 Allen Place.

KINDERGARTEN.

Letty H. Learned,	Principal,	New Britain.
Winnibel M. Clark,	Assistant,	6 Florence Street.
Evelyn E. Atwood,	Assistant,	Springfield.
Mary E. Bissell,	Assistant,	634 New Britain Ave.
Lillian F. McLean,	Assistant,	48 Adelaide Street.
Gertrude A. Britton,	Assistant,	59 May Street.
Louise E. Conner,	Assistant,	East Hartford.

SECOND SCHOOL DISTRICT.

SOUTH DISTRICT SCHOOLS.

COMMITTEE.

Henry C. Dwight, *Chairman,* 252 Asylum Street.
Charles F. Huntington, 68 Wethersfield Avenue.
Philip Hansling, Jr., 385 Park Street.
Clerk — George H. Gilman, 49 Pearl Street.
Treasurer — Thomas A. Shannon, 49 Pearl Street.
Collector — Otis J. Hart, 114 Pearl Street.
Auditors — James S. Belden, 42 Buckingham Street; James H. Knight, 50 State Street.
Rate-maker — Robert D. Bone, 114 Pearl Street.

TEACHERS.

Charles H. Keyes,	Supervisor,	9 Madison Street.
Lyman D. Smith,	Teacher of Writing,	33 Madison Street.
William K. Cook,	Teacher of Writing,	33 Preston Street.
Jessie M. Newell,	Teacher of Drawing,	20 Girard Avenue.
M. Grace Dwight,	Teacher of Drawing,	41 Seymour Street.
William D. Monnier,	Teacher of Music,	26 Adelaide Street.
D. Agnes Booth,	Teacher of Music,	95 Elm Street.
Margaret C. Laidlaw,	Kindergarten Director,	427 Main Street.
Mary G. Foster,	District Records,	90 Hudson Street.
Gwendolen M. Jones,	Text-books and supplies,	67 Vine Street.

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WADSWORTH STREET SCHOOL.

No. 36 Wadsworth Street.

TEACHERS.

Charles H. Keyes,	Principal,	9 Madison Street.
Louis H. Stanley,	Vice-Principal,	33 Capitol Avenue.
Gwendolen M. Jones,	Assistant,	67 Vine Street.
J. Walter Freeman,	Grade IX,	427 Main Street.
Winthrop Buck,	Grade IX,	Wethersfield.
Mary M. Harris,	Grade IX,	55 Capitol Avenue.
Mary I. Patterson,	Grade IX,	55 Capitol Avenue.
Victoria B. Jamieson,	Grade IX,	Middletown.
Mary L. Linehan,	Grade IX,	64 Buckingham St.
Mary J. Kane,	Grade VIII,	147 Maple Avenue.
Sarah A. Stevens,	Grade VIII,	15 Preston Street.
Ella A. Parish,	Grade VIII,	West Hartford.
Harriet P. McPherson,	Grade VIII,	95 Elm Street.
Caroline L. Gridley,	Grade VII,	55 Capitol Avenue.
Anne O'Loughlin,	Grade VII,	147 Washington Street.
Eleanor Allyn,	Grade VII,	16 Atwood Street.
Emily E. Campbell,	Grade VII,	427 Main Street.
Mary E. Barber,	Grade VI,	73 Wadsworth Street.
Ann Kennedy,	Grade VI,	278 Main Street.
Sara E. Lane,	Grade VI,	427 Main Street.
Jessamine Woods,	Grade VI,	135 Ashley Street.
M. Elizabeth Tate,	Grade V,	Windsor Locks.
Elizabeth M. Guinan,	Grade V,	16 Sherman Street.
Katherine Stokes,	Grade V,	427 Main Street.
Mary G. Foster,	Grades IV, V, VI,	90 Hudson Street.
Mary H. Graves,	Grade IV,	73 Wethersfield Ave.
Ellen C. Dwyer,	Grade IV,	34 Cedar Street.
Lila A. Fields,	Grade IV,	61 Madison Street.
Mary A. Maloy,	Grade III,	36 Annawan Street.
Charlotte B. Case,	Grade III,	Wethersfield.
Mary M. Bristol,	Grade III,	197 Park Street.
Minnie B. Chamberlain,	Grade II,	16 Buckingham St.
Anna B. Geer,	Grade II,	187 Jefferson Street.
Alice N. Fowler,	Grade II,	34 Allen Place.
Nellie T. Cody,	Grade I,	95 Seymour Street.
Florence Smith,	Grade I,	187 Jefferson Street.
Anna A. Bubser,	Grade I,	172 Putnam Street.
Katherine L. Newton,	Grade I,	127 Oak Street.
Edith Green,	Grades I, II, III,	161 Seymour Street.

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KINDERGARTEN NO. 1.

Margaret C. Laidlaw,	Principal,	427 Main Street,
Bessie L. Taft,	Assistant,	46 Collins Street.
Effie M. Hollingworth,	Assistant,	211 Sargeant Street.
Charlotte E. Chase,	Assistant,	123 Hungerford Street.

KINDERGARTEN NO. 2.

Louise D. Smith,	Principal,	11 Marshall Street.
Elizabeth M. McManus,	Assistant,	11 Lincoln Street.
Ame M. Brosmith,	Assistant,	41 Girard Avenue.

LAWRENCE STREET SCHOOL.

No. 85 Lawrence Street.

TEACHERS.

Clara A. Stevens,	Principal,	87 Washington St.
Emma Winchester,	Assistant,	155 Seymour Street.
Ethel E. Green,	Grade VIII,	161 Seymour Street.
Lucy E. Cobey,	Grade VII,	20 Buckingham St.
Eliza S. Geer,	Grade VII,	22 Atwood Street.
Mary E. McLean,	Grade VI,	620 Main St., East Hartford.
Edwina B. Martin,	Grade VI,	155 Seymour Street.
Lillian A. Andrews,	Grade V,	167 Beacon Street.
Kate J. Kibbe,	Grade V,	65 Imlay Street.
Margaret J. McGowan,	Grade IV,	3 Farmington Ave.
Christine F. Glen,	Grade IV,	56 Seymour Street.
May E. Sloan,	Grade IV,	61 Woodbine Street.
Marion G. Smith,	Grade III,	33 Madison Street.
Margaret O'Brien,	Grade III,	26 Cedar Street.
Nellie M. Hogan,	Grade II,	29 Dean Street.
Mabelle N. Storrs,	Grade II,	33 Congress Street.
M. Katheryne Helion,	Grade II,	21 Annawan Street.
Anne F. Daly,	Grade I,	66 Hudson Street.
Lillian E. Selby,	Grade I,	65 Sargeant Street.

KINDERGARTEN NO. 3.

Edith M. Giddings,	Principal,	557 New Britain Ave.
Harriet B. Sprague,	Assistant,	36 Huntington Street.
Angela Ahern,	Assistant,	192 Farmington Ave.

KINDERGARTEN NO. 4.

Mabel Weeks,	Principal,	30 Sherman Street.
Ella M. Williams,	Assistant,	52 Sumner Street.

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NEW PARK AVENUE SCHOOL.

No. 55 New Park Avenue.

TEACHERS.

Frank E. Potter,	Principal,	791 Park Street.
Anna E. Lawson,	Assistant,	14 Fales Street.
Janet E. Gray,	Grade VIII,	14 Park Street. South Manchester.
Louise D. Stevens,	Grade VIII,	Newington Junc.
Kate E. Guilfoil,	Grade VII,	157 Capitol Avenue.
Rose M. Dwyer,	Grade VII,	386 Park Street.
Cora J. Seaver,	Grade VI,	Wethersfield.
Susanne R. Cobey,	Grade VI,	20 Buckingham Street.
Wenna L. Smith,	Grade V,	439 Capitol Avenue.
A. Marie Hansen,	Grade V,	45 Ellsworth Street.
Hannah P. O'Flaherty,	Grade IV,	140 Main Street.
Mary F. Noonan,	Grade IV,	37 Elm Street.
Josephine Barchfeld,	Grade III,	48 Bond Street.
Lillian M. Squires,	Grade III,	170 Smith Street.
Anna L. Langdon,	Grade III,	38 Madison Street.
Nora J. McEvoy,	Grade II,	147 Maple Avenue.
Jessie D. Griswold,	Grade II,	Rocky Hill.
Harriet L. Seymour,	Grade I,	26 Madison Street.
Minnie J. Gilbert,	Grade I,	18 Greenfield Avenue

KINDERGARTEN NO. 5.

Kate P. Safford,	Principal,	420 Washington Street.
Lucy A. Hazen,	Assistant,	462 Farmington Ave.
Jane B. Bailey,	Assistant,	161 Seymour Street.

GRACE STREET SCHOOL.

No. 64 Grace Street.

KINDERGARTEN NO. 8.

Lily L. Nangle,	Principal,	791 Park Street.
Jennie G. Elmer,	Assistant,	61 Francis Avenue.

WETHERSFIELD AVENUE SCHOOL.

No. 289 Wethersfield Avenue.

Mary Marchant,	Principal,	57 Congress Street.
Maud V. Keyes,	Grade VIII,	9 Madison Street.
Sarah E. Bunnell,	Grade VII,	249 Wethersfield Ave.
Harriet E. Burnham,	Grade VI,	Bloomfield.
Julia A. Stevens,	Grade V,	Preston Street.

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Allys E. Tyler,	Grade IV,	641 Main Street.
Margaret McEvoy,	Grade III, IV,	147 Maple Avenue.
Lillian M. Cody,	Grade III,	95 Seymour Street.
Maud Selby,	Grade II,	65 Sargeant Street.
Nellie B. Washburn,	Grade II,	126 Sargeant Street.
Mary E. Cady,	Grade I,	23 Babcock Street.
Helen M. Barchfield,	Grade I,	48 Bond Street.

KINDERGARTEN NO. 6.

Mary E. Wilkinson,	Principal,	42 Seymour Street.
Anna F. Flynn,	Assistant,	145 Washington Street.
Anna S. Bradin,	Assistant,	7 Linden Place.
Marti K. Wilson	Assistant,	242 Ashley Street.

CHARTER OAK AVENUE SCHOOL.

No. 91 Charter Oak Avenue.

Helen McClunie,	Principal,	99 Elm Street.
Elizabeth A. Carmody,	Grade V, VI,	92 Franklin Avenue.
Mary A. Riley,	Grade IV, V,	8 Imlay Street.
Mary O'Brien,	Grade III,	26 Cedar Street.
Anna Z. Donovan,	Grade II,	9 Hungerford Street.
Margaret T. Helion,	Grade I,	21 Annawan Street.

KINDERGARTEN NO. 7.

Anna Doolittle,	Principal	West Hartford.
Elizabeth P. Duffy,	Assistant,	47 Washington Street.

THIRD SCHOOL DISTRICT.

SECOND NORTH SCHOOL.

COMMITTEE.

Frank S. Kellogg, *Chairman*, 252 Asylum Street.
Ulysses H. Brockway, 132 State Street.
James P. Berry, 17 Windsor Avenue.
Clerk — James A. O'Neil, 62 Church Street.
Treasurer — Security Company, 62 Pearl Street.
Collector — Otis J. Hart, 114 Pearl Street.
Auditors — Solon P. Davis, 86 Edwards Street; William J. A. Mahan, 41 Winthrop Street.
Rate-maker — Joseph E. O'Neil, 62 Church Street.

TEACHERS.

Arthur D. Call,	Principal,	18 Shultas Place.
Ralph L. Baldwin,	Teacher of Singing,	81 Tremont Street.
Solon P. Davis,	Teacher of Drawing,	86 Edwards Street.
Mrs. C. R. Watson,	Teacher of Drawing,	136 Bellevue Street.

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W. K. Cook,	Teacher of Writing,	9 Preston Street.
Bertha H. Klinger,	Teacher of Science,	133 Ashley Street.
Abbie J. Gannett,	Teacher of Physical Culture,	56 Willard Street.
Bessie N. Brockway,	Secretary,	16 Chapel Street.
Annie I. House,	Grade IX,	164 High Street.
Eliz. M. Worthington,	Grade VIII,	12 Florence Street.
Winifred K. Kenney,	Grade VII,	48 Sumner Street.
Hattie R. Woodward,	Grade VII,	163 Ashley Street.
Mabel R. Frey,	Grade VI,	New Britain, Conn.
M. Rose Jepson,	Grade VI,	57 Brook Street.
Louise J. Guinan,	Grade VI,	22 Wilson Street.
Mary E. Guinan,	Grade V,	16 Sherman Street.
Mary T. Cross,	Grade V,	50 Belden Street.
Mabel C. Street,	Grade V,	31 Russ Street.
Mary W. Hamlin,	Grade IV,	71 Russ Street.
Nellie C. Smith,	Grade IV,	196 High Street.
Clara A. Pausch,	Grade III, IV,	69 Sergeant Street.
Susan P. Clapp,	Grade III,	Goodwin Building.
Ella L. Barker,	Grade III,	New Britain, Ct.
Mabel I. Reilly,	Grade III,	136 Wethersfield Ave.
Christine A. Holman,	Grade II, III,	26 May Street.
Daisy P. Seymour,	Grade II,	Meriden, Conn.
Sarah A. Backus,	Grade II,	153 Windsor Avenue.
Margaret Gallagher,	Grade I, II,	Farmington, Conn.
Ethel A. Bryant,	Grade I,	167 High Street.
Louisa Weberbauer,	Grade I,	58 Church Street,
Mary E. Lacy,	Grade I,	58 Hawthorne Street.
Grace A. Cooke,	Grade I,	Lenox Court.
Mary K. Lawler,	Grade I,	Windsor Locks, Conn.
Edith S. Hale,	Primary Assistant,	29 Belden Street.
Annie Fisher,	Primary Assistant,	12 Pavilion Street.

KINDERGARTEN.

Susan E. Towne,	Principal,	219 High Street.
Mary P. Gillette,	Assistant,	17 Suffield Street.
Mary Clissold Knapp,	Assistant,	14 Columbia Street.
Florence S. Atkins,	Assistant,	12 So. Highland St.
Mabel S. Corwin,	Assistant,	18 Lincoln Street.
Rena E. Garvin,	Assistant,	207 Sisson Avenue.
Ellen C. Welles,	Assistant,	Glastonbury, Conn
Edna C. Smith,	Assistant,	50 Windsor Avenue.

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FOURTH SCHOOL DISTRICT.

WEST MIDDLE SCHOOL.

No. 297 Asylum Avenue.

COMMITTEE.

William H. Corbin, *Chairman,* 1217 Main Street.
Herbert H. White, 783 Main Street.
Louis R. Cheney, 40 Woodland Street.
Clerk — Edward W. Beardsley, 664 Main Street.
Treasurer — James P. Taylor, Charter Oak National Bank.
Collector — Otis J. Hart, 114 Pearl Street.
Auditors — Samuel E. Elmore, 283 Main Street; Charles H. Field, 981 Asylum Street.
Rate-maker — Howard H. Keep, 49 Pearl Street.

TEACHERS.

Willis I. Twitchell, B.A.,	Principal,	31 Atwood Street.
Esther C. Perry,	Assistant,	179 Beacon Street.
Ralph L. Baldwin,	Teacher of Vocal Music,	81 Tremont Street.
William K. Cook,	Teacher of Writing,	33 Preston Street.
Clara L. Williams,	Teacher of Drawing,	60 Lorraine Street.
Mabel E. Clark,	Ass't Teacher Drawing,	20 Atwood Street.
Bertha H. Klinger,	Teacher of Natural Science,	133 Ashley Street,
Fred G. Blakeslee,	Military Instructor,	291 Sargeant Street.
Eva A. Heath,	Gymnastic Instructor,	Newington.
F. Elizabeth Mack,	Teacher of Elocution,	Windsor.
Sally M. Humphrey,	Office Assistant,	Windsor.
Mary C. Cone,	Grade IX,	West Hartford.
Emma F. Pilling,	Grade IX,	29 Townley Street.
Rosilla R. Newton,	Grade VIII,	127 Oak Street.
Kate L. Smith,	Grade VIII,	11 Marshall Street.
Gertrude Ball,	Grade VII,	197 Sigourney Street.
Jessie I. Kennicott,	Grade VII,	50 Huntington Street.
Bessie A. Brown,	Grade VII,	889 Asylum Avenue.
Ruth N. Walker,	Grade VI,	197 Sigourney Street.
Carrie E. Hollister,	Grade VI,	234 Wethersfield Ave.
Clara M. Klinger,	Grade V,	133 Ashley Street.
Florence Holman,	Grade V,	26 May Street.
Louise H. Kinsman,	Grade IV,	18 Woodbine Street.
Gertrude M. Butler,	Grade IV,	795 Asylum Avenue.
Claudia E. Ehbets,	Grade III,	14 Vernon Street.
Mabel F. Terry,	Grade II and III,	50 Huntington Street.
Harriet B. Bramley,	Grade II,	Elmwood.
Emma L. Yost,	Grade I,	61 Ashley Street.
Lucy A. Allen,	Grade I,	133 Sargeant Street.

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KINDERGARTEN.

Adella M. Woodcock,	74 Niles Street.
Anna W. Bullard,	20 Niles Street.
Francilla J. Goodenough,	20 Niles Street.
Harriet E. Griswold,	197 Collins Street.
Annie H. Cross, Matron,	19 Atlantic Street.

NOAH WEBSTER SCHOOL.

Cone Street.

Agnes H. Mills,	Grade V, VI,	75 Sigourney Street.
Lillian R. Conant,	Grade IV,	63 Girard Avenue.
Kate P. Wheelock,	Grade III,	236 Sigourney Street.
Eva M. Buffington,	Grade II,	96 Hawthorn Street.
Jane V. Bacon,	Grade I,	Wethersfield.

KINDERGARTEN.

Neva W. Nash,	4 Regent Street.
Lillian M. Reis,	22 Girard Avenue.
Dora Geeterlsoh, Matron,	56 Willow Street.

FIFTH SCHOOL DISTRICT.

ARSENAL SCHOOL.

No. 180 Windsor Avenue.

COMMITTEE.

Horace M. Andrews, 80 Williams Street.
John F. Sullivan, 25 Pavilion Street.
Henry M. Ahern, 355 Albany Avenue.
Clerk — Edward J. Flynn, 18 Center Street.
Treasurer — Robert C. Glazier, 67 Edwards Street.
Collector — Otis J. Hart, 114 Pearl Street.
Auditors — Mather E. Pinney, 137 Windsor Avenue; Thomas J. MacRonald, 110 Wooster Street.
Rate-maker — Otis J. Hart, 114 Pearl Street.

TEACHERS.

B. Norman Strong,	Principal,	37 Raymond Street.
Solon P. Davis,	Teacher of Drawing,	86 Edwards Street.
Caroline R. Watson,	Teacher of Drawing,	136 Bellevue Street.
Ralph L. Baldwin,	Teacher of Music,	81 Tremont Street.
Grace H. Phelps,	Teacher of Music,	109 Wooster Street.
Eva L. Miller,	Teacher of Penmanship,	107 Edward Street.
Maud E. Davis,	Grade IX,	46 Irving Street.
Grace A. Robarts,	Grade VIII,	90 Edwards Street.

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Anna I. Ryan,	Grade VIII,	25 Belden Street.
Elizabeth A. Condren,	Grade VII,	66 Hudson Street.
Grace A. McKeever,	Grade VII,	71 Edwards Street.
Mary A. Duggan,	Grade VI,	75 Imlay Street.
Martha A. Patterson,	Grade VI,	14 May Street.
Jennie D. Strong,	Grade V,	Manchester, Conn.
Lucy C. Whiton,	Grade V,	20 Fairview Street.
Emily F. Pausch,	Grade IV,	69 Sargeant Street.
Nellie L. Rogers,	Grade IV,	14 Suffield Street.
Gertrude L. Parsons,	Grade III,	102 Ann Street.
Elsie L. Ney,	Grade III,	96 Windsor Avenue.
Helen F. Curtin,	Grade II,	22 Mahl Avenue.
Etta Meyers,	Grade II,	116 Wooster Street.
Etta M. Dow,	Grade II,	9 Florence Street.
Elizabeth V. Adams,	Grade I,	Cromwell, Conn.
Mabel E. Lester,	Grade I,	Silver Lane, Conn.
Nellie E. Fish,	Grade I,	Newington Junc.
Bertha A. Cooke,	Sub. Primary,	Lenox Court.
Anne Burr Wilson,	Kindergarten Principal,	242 Ashley Street.
Leila Blakeslee,	Assistant,	291 Sargeant Street.
Alice S. Hawkins,	Assistant,	46 Madison Street.
Elizabeth C. Dickinson,	Assistant,	28 Bond Street.

SIXTH SCHOOL DISTRICT.

WASHINGTON STREET SCHOOL.

No. 1 Washington Street.

COMMITTEE.

Alexander Angus, *Chairman*, 31 Warner Street.
Joseph Buths, 39 Pearl Street.
J. H. Coffey, 55 Harbison Avenue.
Clerk — Robert C. Buell, 118 Vernon Street.
Treasurer — Walter L. Wakefield, 252 Asylum Street.
Collector — Otis J. Hart, 114 Pearl Street.
Auditors — John A. Carroll, 68 Washington Street; T. W. Gunshanan, 85 Madison Street.
Rate-maker — Robert D. Bone, 114 Pearl Street.

TEACHERS.

Elizabeth J. Cairns,	Principal,	80 Clark Street.
Solon P. Davis,	Teacher of Drawing,	86 Edwards Street.
Clara M. Goodman,	Ass't Teacher Drawing,	15 Imlay Street.
Eva L. Miller,	Teacher of Writing,	107 Edwards Street.

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Ivanna J. Palmer,	Teacher of Music and Gymnastics,	155 Seymour Street.
Isabella M. Mulligan	Grade IX,	22 Linden Place.
Elizabeth W. McMillan,	Grade VIII,	41 Barnard Street.
N. Florence Bullock,	Grade VII,	60 Vernon Street.
Mary J. Blake,	Grade VI,	73 Laurel Street.
Catherine Coffey,	Grade VI,	55 Harbison Avenue.
B. T. Mulcahy,	Grade V,	27 Alden Street.
Jennie Stinson,	Grade V,	116 Hungerford Street.
Mary A. Landrigan,	Grade IV,	93 Allen Place.
Minnie O. Engel,	Grade IV,	32 Lennox Place.
Barbara L. Black,	Grade III,	89 Lincoln Street.
Ellen R. Ahern	Grade III,	38 Crown Street.
Inez J. Smith,	Grade II,	232 Vine Street.
Mary E. Fisk,	Grade II,	53 Allen Place.
Mary E. Morris,	Grade I,	52 Washington Street.
Jane C. Flynn	Grade I,	96 Buckingham Street.

KINDERGARTEN.

Harriet W. Britton,	Principal,	48 Collins Street.
Rose E. Miller,	Assistant,	232 Vine Street.
Mabel M. Johnson,	Assistant,	123 Hungerford Street.

WILSON STREET SCHOOL.

Harriet F. Black,	Grade VII, VIII,	89 Lincoln Street.
Nellie T. Mulhall,	Grade V, VI,	17 Wolcott Street.
Elizabeth E. Sinnott,	Grade III, IV,	26 Harbison Avenue.
Margaret White,	Grade I, II,	1151 Broad Street.
Mary Bennett,	Kindergarten,	67 Laurel Street.

SEVENTH SCHOOL DISTRICT.

SOUTHWEST SCHOOL.

White Street.

COMMITTEE.

Edward F. O'Brien, *Chairman,* 3 South Laurel Street.
John D. Candee, 550 New Britain Avenue.
Henry H. Dickinson, 308 Fairfield Avenue.
Clerk — James W. Gunning, 9 Zion Street.
Treasurer — Robert W. Rollins, 328 Fairfield Avenue.
Collector — Otis J. Hart, 114 Pearl Street.
Rate-maker — Robert D. Bone, 114 Pearl Street.

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TEACHERS.

Belle C. Davis,	Principal,	192 High Street.
Anna J. Fagan		66 Hungerford Street.
Mary G. Buckley		97 Main Street.
Mrs. W. D. Monnier	Teacher in Art, Music, and Writing,	17 Capitol Avenue.

EIGHTH SCHOOL DISTRICT.

NORTHEAST SCHOOL.

54 Westland Street.

COMMITTEE.

Marshall L. Hill, *Chairman*, 26 Clark Street.
Francis Coles, 14 Charlotte Street.
Walter G. Camp, 817 Windsor Avenue.
Clerk — James G. Bacon, 106 Capon Street.
Treasurer — Security Company, 62 Pearl Street.
Collector — Otis J. Hart, 114 Pearl Street.
Auditors — Ludwig Hellman, 502 Windsor Avenue; C. S. Hutchinson, 366 Windsor Avenue.
Rate-maker — Robert D. Bone, 114 Pearl Street.

TEACHERS.

Frank A. Brackett,	Principal,	44 Capen Street.
Solon P. Davis,	Teacher of Drawing,	86 Edwards Street.
Gertrude M. Dresser,	Teacher of Drawing and Penmanship,	15 Clark Street.
Lelia M. Smart,	Teacher of Music,	24 Sisson Avenue.
Bessie M. Williams,	Grade IX,	23 Benton Street.
Anna A. Prior,	Grade VIII,	25 Benton Street.
Charlotte M. Spaford,	Grade VII,	Glastonbury.
Annie C. Britton,	Grade VI,	40 Deerfield Avenue.
H. Mabel King,	Grade V,	1303 Main Street.
Flora M. King,	Grade V,	1303 Main Street.
Helen D. Kirkpatrick,	Grade IV,	36 Ellsworth Street.
Minnie F. Eaves,	Grade III,	8 Judson Street.
Sarah E. Clark,	Grade III,	20 Atwood Street.
Minnie Joyce,	Grade II,	235 Zion Street.
Kathryn C. G. O'Neil,	Grade II,	7 East Street.
Mary A. Hendron,	Grade I,	3 Crane's Court.
Mary A. Readette,	Grade I,	91 Wooster Street.
Annie R. McDonnell,	Grade I,	378 Windsor Avenue.
Ella A. Washburn,	Grade I,	35 Clark Street.

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KINDERGARTEN.

Mabel C. Moore,	Principal,	167 Blue Hills Avenue.
Sadie L. Hawkins,		46 Madison Street.
Mary E. Moore,		167 Blue Hills Avenue.
M. Genevieve Flynn,		145 Washington Street.

NINTH SCHOOL DISTRICT.

NORTHWEST SCHOOL.

684 Albany Avenue, Corner Woodland Street.

COMMITTEE.

Robert L. Russell, *Chairman*, 61 Vine Street.
Alfred P. Clifford, 231 Sargeant Street.
Charles H. Robins, 61 Deerfield Avenue.
Clerk — James H. Shipman.
Treasurer — Security Company, 62 Pearl Street.
Collector — Otis J. Hart, 114 Pearl Street.
Auditors —
Rate-maker — Dwight Chapman, 131 Sargeant Street.

TEACHERS.

J. Isabella Price,	Principal,	22 Crown Street.
Solon P. Davis,	Teacher of Drawing,	86 Edwards Street.
Gertrude M. Dresser,	Ass't and Teacher of Penmanship,	15 Clark Street.
Lelia M. Smart,	Teacher of Music,	24 Sisson Avenue.
Mary A. Paige,	Grade IX,	149 Retreat Avenue.
Alice D. Ayres,	Grade VIII,	51 Church Street.
Lillian L. Huntington,	Grade VII,	499 Albany Avenue.
Caroline Lawton,	Grade VI,	61 Deerfield Avenue.
Sarah S. Eddy,	Grade VI,	24 Atwood Street.
Lucy M. Nickerson,	Grade V,	The Goodwin.
Alice E. Murray,	Grade IV,	South Manchester.
Glenna E. Waters,	Grade III and IV,	103 Trumbull Street.
E. Maude Purinton,	Grade III,	187 New Britain Ave.
Bessie L. Scranton,	Grade II,	57 Russ Street.
May G. Noonan,	Grade I,	215 Sargeant Street.
Elsie B. Cummings,	Grade I,	141 Ashley Street.
Edith L. Cook,	Kindergarten,	462 Farmington Ave.
Fidelia M. McKinney,	Kindergarten,	116 Retreat Avenue.

GRAVEL HILL BRANCH, PRIMARY.

F. Edna Stratton,	Grades III, II, I,	63 Blue Hills Avenue.

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REPORT

OF THE

Hartford Grammar School

To September 1, 1906.

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REPORT

OF

CONNECTICUT TRUST AND SAFE DEPOSIT COMPANY, TREASURER OF HARTFORD GRAMMAR SCHOOL.

HARTFORD, CONN., Sept. 1, 1906.

Amount of funds on hand Sept. 1, 1906:		
Investments (par value), . . .	$50,800.00	
Cash, ...	960.35	
		$51,760.35
Income from Sept. 1, 1905, to Sept. 1, 1906, . . .		2,484.80
		54,245.15
Expenses from Sept. 1, 1905, to Sept. 1, 1906, . .		2,440.00
		$51,805.15

CONNECTICUT TRUST AND SAFE DEPOSIT CO., *Treasurer*,
BY ARTHUR P. DAY, *Secretary*.

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REPORT

OF THE

HIGH SCHOOL COMMITTEE

FROM

April 1, 1905, to April 1, 1906.

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REPORT OF THE HIGH SCHOOL COMMITTEE.

To the Honorable Court of Common Council of the City of Hartford:

The Committee of the Hartford Public High School respectfully presents its report of receipts and disbursements for the year ending March 31, 1906, as follows:

RECEIPTS.

Cash on hand April 1, 1905,	$390.58	
Cash on hand appropriated for increasing facilities in M. T. Dep't for Evening High School work,	2,500.00	
Cash on hand appropriated for desks and seats,	625.00	
Received from C. H. Slocum, city treasurer,	79,799.57	
Interest on deposits,	114.23	
Tuition of non-resident pupils,	7,611.50	
Tuition of non-resident pupils in Evening High School,	55.00	
Sundries,	141.00	
Total,		$91,236.88

DISBURSEMENTS.

Salaries of teachers and clerks,	$59,425.50
Wages of janitor, engineer, fireman, and cleaners,	4,517.40
Printing, stationery, and books,	2,008.97
Light, fuel, and water,	5,685.64
Repairs,	2,166.81
Manual Training Department,	456.79
Evening High School,	5,975.62
Equipment in M. T. Dep't for Evening School work,	2,500.00
Equipment of desks and seats,	525.00
Sundries, including Science Department,	2,526.82
Fire insurance,	3,190.00
	$88,978.55

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Appropriated for repairs to old boiler room roof,	$495.40	
Appropriated for M. T. equipment, Evening High School,	1,300.00	
Appropriated for desks already ordered,	75.00	
" " microscopes already ordered,	79.65	
Cash brought forward,	308.28	
		$91,236.88

ARCHIBALD A. WELCH,
JOSEPH SCHWAB,
L. P. WALDO MARVIN,
FREDERICK W. DAVIS,
J. J. McCOOK.

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ORDINANCES

OF THE

CITY OF HARTFORD

Adopted since the publication of the Revision of 1898.

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ORDINANCES.

Adopted Since the Publication of the Revision of 1898.

AN ORDINANCE RELATING TO THE PAY OF POLICEMEN.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The pay of each policeman hereafter appointed shall be eight hundred dollars per annum for the first two years of service, nine hundred dollars per annum for the next succeeding two years of service, and one thousand dollars for the fifth and each succeeding year of service.

SEC. 2. The pay of supernumerary policemen hereafter appointed shall be at the rate of two dollars and twenty-five cents per day while acting in the place or performing the duties of policemen, and no allowance shall be made for any extra time of service during any day of twenty-four hours.

SEC. 3. This ordinance shall not affect the next thirteen supernumeraries appointed hereafter; nor policemen appointed from the present supernumeraries, or said thirteen supernumeraries.

SEC. 4. All the other ordinances or parts of ordinances, so far as they are inconsistent with this ordinance, are hereby repealed.

Approved, March 29, 1898.

AN ORDINANCE AMENDING AN ORDINANCE IN RELATION TO THE ERECTION OF BUILDINGS IN THE CITY OF HARTFORD.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Section 1 of the Ordinance in relation to the Erection of Buildings in the City of Hartford, approved March

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17, 1896, is hereby amended by changing the word "two" in the paragraph defining "Block of Dwellings" to "three," so that the said paragraph shall read: "Block of dwellings means a series of three or more houses used mainly for dwellings, such houses being separated by party walls and having separate entrances and stairways."

SEC. 2. Section 3 of said Ordinance in Relation to the Erection of Buildings in the City of Hartford is hereby amended by inserting in line eleven between the words "limits" and "covered" the following: "Not to exceed twenty-four by thirty feet in area, and eleven feet at the highest point, the same to be."

SEC. 3. All ordinances and parts of ordinances, so far as the same are inconsistent herewith, are hereby repealed.

Approved, March 29, 1898.

AN ORDINANCE RELATING TO THE REMOVAL OF OLD CLOTHING, BEDDING, ASHES, DIRT, SWEEPINGS, RUBBISH, ETC.

Be it ordained by the Court of Common Council of the City of Hartford:

Section 7 of Chapter X of the Revised Ordinances of the City of Hartford is hereby amended to read as follows:

"On and after the first day of June, 1898, no waste paper, old clothing, bedding, ashes, dirt, store and sidewalk sweepings, vegetable or animal matter or refuse or rubbish of any kind shall be thrown or placed on any street or sidewalk in the City of Hartford, but the same shall be placed in suitable vessels, and shall be removed in the manner provided in the succeeding section. All waste paper, old clothing, bedding, and refuse or rubbish of a like nature shall be fastened together securely by tying or otherwise, and placed in suitable vessels, and shall be kept separate from all ashes, store and sidewalk sweepings, dirt, vegetable or animal matter or like refuse, which shall be placed together in other suitable vessels."

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Section 8 of Chapter X of the Revised Ordinances of the City of Hartford is hereby amended to read as follows:

"It shall be the duty of the Board of Street Commissioners to remove said waste paper, old clothing, bedding, ashes, dirt, store and sidewalk sweepings, vegetable or animal matter or refuse or rubbish so put and deposited, free of expense to the parties depositing them, whenever it shall be necessary and proper for the same to be removed, and said waste paper, old clothing, bedding, and refuse of a like nature, shall be collected and removed separately from said ashes, store and sidewalk sweepings, dirt, vegetable or animal matter or like refuse; said vessels for the reception of said refuse and garbage, and carts for removing the same, shall be so constructed as to prevent the contents from being blown and spilled upon any street or sidewalk."

Approved, May 24, 1898.

AN ORDINANCE RELATING TO FEES IN THE CITY COURT.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. In all cases in the City Court within the concurrent jurisdiction of a justice of the peace, the docket fee shall be three dollars, and the trial fee five dollars.

SEC. 2. In all such cases the entry fee shall be one dollar, the judgment fee two dollars, and the judgment file one dollar.

SEC. 3. In all other cases the taxable fees in the City Court shall be the same as provided in the General Statutes.

SEC. 4. All ordinances inconsistent herewith are hereby repealed.

Approved, May 24, 1898.

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AN ORDINANCE RELATING TO APPOINTMENTS AS REGULAR POLICEMEN.

Be it ordained by the Court of Common Council of the City of Hartford:

That the ordinance relating to the Police Department be amended by inserting after the word "needed," in the ninth line of Section 6, the following words: "Hereafter all appointments as regular policemen shall be from the supernumerary force."

Approved, June 29, 1898.

AN ORDINANCE RELATING TO PRINTING AND ADVERTISING.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That all advertising of corporation notices and ordinances shall hereafter be published in not less than two or more than four daily newspapers published in the City of Hartford, unless otherwise provided by law.

SEC. 2. No such advertisement shall be inserted and published in any such daily newspaper more than twice, unless otherwise provided by law.

SEC. 3. No greater price shall be paid than one dollar ($1.00) an inch for the first insertion and publication of such notice or advertisement, and fifty cents (50 cents) an inch for any subsequent insertion in any such newspaper.

SEC. 4. Other ordinances or parts of ordinances, so far as they are inconsistent with this ordinance, are hereby repealed.

Approved, June 29, 1898.

AN ORDINANCE PROVIDING FOR DAYS OF ABSENCE FOR REGULAR POLICEMEN.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That the Board of Police Commissioners are hereby authorized to grant regular policemen of the City of

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Hartford two days' leave of absence, and seven days' vacation. The days of absence not to exceed twenty-nine days in any one year.

SEC. 2. No deduction in the pay of regular policemen shall be made for time thus granted them.

SEC. 3. All ordinances and parts of ordinances, in so far forth as they are inconsistent herewith, are hereby repealed.

Approved, July 26, 1898.

AN ORDINANCE RELATING TO PUBLIC WATERING-TROUGHS.

Be it ordained by the Court of Common Council of the City of Hartford:

That the care, control, and maintenance of the public watering-troughs in the City of Hartford shall hereafter be vested in the Board of Water Commissioners of said City.

Approved, Sept. 14, 1898.

ORDINANCE CONCERNING VACATIONS OF POLICEMEN.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Each member of the regular force of policemen shall hereafter have a leave of absence of two days in each month of every year.

SEC. 2. Each member of said regular force of policemen shall have in addition to said leave of absence five days' vacation in every year.

SEC. 3. Such leave of absence and vacation shall be without deduction of pay.

SEC. 4. The ordinance passed July 25, 1898, relating to the same subject, is hereby repealed.

Approved, Sept. 14, 1898.

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AN ORDINANCE PROVIDING ADDITIONAL CLERK FOR COLLECTOR.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. When the Collector shall deem it necessary for the proper performance of the duties of his office, he may employ, for such portions of a year as he shall deem necessary, one clerk in addition to the two he is now authorized to regularly appoint.

SEC. 2. The compensation of such additional clerk shall be at the rate of one thousand dollars a year for such portions of each year as he may be employed by said Collector.

Approved, Nov. 29, 1898.

AN ORDINANCE RELATING TO THE PAY OF CALL MEN OF THE HARTFORD FIRE DEPARTMENT.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The pay of "call men" of the Hartford Fire Department shall be at the same rate as the pay of permanent men when acting in or performing the duties of permanent men.

SEC. 2. All other ordinances, so far as they are inconsistent with this ordinance, are hereby repealed.

Approved, Feb. 28, 1899.

AN ORDINANCE PROVIDING FOR A CENSUS OF THE CITY OF HARTFORD.

WHEREAS, The General Assembly of Connecticut, by an act approved on the second day of March, 1899, authorized the City of Hartford to take or cause to be taken a census of the City of Hartford showing the number, age, sex, residence, and nativity of the inhabitants of said Hartford, on or before June

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1, 1899, therefore be it ordained by the Common Council of the City of Hartford:

SECTION 1. That, in accordance with said act, an accurate census of the population of the City of Hartford be taken and reported to the Mayor of the City of Hartford.

SEC. 2. Be it further ordained by the authority aforesaid that said census shall show the names of all the inhabitants of the City of Hartford, with their places of residence indicated by street number, and, in the case of houses which have no number, indicating the location of the house as accurately as may be, showing also, in connection with the name of each inhabitant, his or her age and nativity.

SEC. 3. Be it further ordained by the authority aforesaid that the superintendent of such census shall take and subscribe an oath to faithfully and honestly superintend and supervise the taking, compilation, and reporting of the census of the population of the City of Hartford, and the enumerators shall each take and subscribe to an oath that he will accurately and honestly enumerate and report the name, place of residence, age, sex, and nativity of all the inhabitants of such territory within the limits of the City of Hartford as he may be assigned to work in by the superintendent of the census.

SEC. 4. Be it further ordained by the authority aforesaid that it shall be the duty of any and every citizen or inhabitant of the City of Hartford to furnish, on the application of the superintendent of the census or any enumerator appointed by him, full and accurate information as to the names, places of residence, age, sex, nativity of all the members of his, her, or their family, all persons living or lodging at his residence, or within his, her, or their hotel, boarding-house, lodging-house, or other place owned and controlled by him, or within his store, office, or other place of business.

SEC. 5. Be it further ordained by the authority aforesaid that the Mayor shall appoint a superintendent of the census and that it shall be the duty of the superintendent of the census herein provided for to complete and report the same to the Mayor

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of the City of Hartford, who shall be furnished with two copies of such census or return, on or before the first day of June, 1899.

SEC. 6. Be it further ordained that this census be taken without cost to the City of Hartford.

Approved, March 14, 1899.

AN ORDINANCE RELATING TO INVENTORY OF CITY PROPERTY.

Be it ordained by the Court of Common Council of the City of Hartford:

The City Auditor shall, when making his annual report for each fiscal year, ending March 31, present to the city council an inventory giving the items, with their valuation, of all real estate and personal property belonging to the City, which may be in the custody of any officer, commission, committee, or agent of the City, together with the names of the persons having charge of the same; and for this purpose every officer of the City or other person in whose control or custody any such property may be, is hereby required to present to the City Auditor, on or before the first Monday in March in each year, a detailed statement of all such property, giving the items and valuation thereof.

And at the expiration of the term of office of any of the said officials, he shall furnish an inventory of City property in his charge, account for and turn over to his successor all such property, taking his receipt therefor.

Approved, March 14, 1899.

AN ORDINANCE DEFINING A VERANDA.

Be it ordained by the Court of Common Council of the City of Hartford:

After the definition of the term "shed" and before the definition of the term "cement mortar" in Section 1 of the ordinance relating to building department, insert the following:

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"Veranda means an open gallery, one or more stories, with or without roof, and no portion of sides of which on streets where veranda lines are established shall be enclosed beyond the building line except as may be hereinafter provided. Storm porches may be placed and maintained on verandas on streets where veranda lines are established, and such verandas may be enclosed with sash and glass between the first of December and the first of April of the year following, special permit having been obtained from the inspector; but if, in the judgment of the inspector, such storm porch or enclosure is, or may be, a matter of obstruction to the view of adjoining proprietors, he shall modify the plans of the applicant as he may deem best, or refuse to grant permit therefor."

AN ORDINANCE RELATING TO BUILDING AND VERANDA LINES.

Be it ordained by the Court of Common Council of the City of Hartford:

Sections 1, 7, and 10 of Chapter VII of the Revised Ordinances of 1898, relating to the Street Department, are amended to read as follows:

SECTION 1. Whenever any vote or resolution shall be offered in either Board of the Court of Common Council, proposing to lay out, construct, or establish any new highway, street, public park, dyke, or walk; or to discontinue, or to alter the location, grade, or width of any existing highway, street, public park, dyke, or walk; or to exchange or sell one highway for another; or to establish a building and veranda line or lines, or an opening between buildings; or to raise, fill up, or drain low grounds; or to lay out, construct, or alter a public sewer; or to order, construct, or alter a sidewalk and gutters, under any of the provisions of the City Charter, or amendments thereto, such vote shall not be passed by either Board of said Court of Common Council until said court has caused said proposed vote or resolution and a certificate that the same is

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pending in said court, attested by the City Clerk, to be published twice, at least, in four daily newspapers published in the City of Hartford, with a notice appended to such published vote or resolution to all persons to file a written statement of their objections, if any they have, with the Board of Street Commissioners within ten days, inclusive, from the day of the first publication of said notice. Nothing in this section, however, shall apply to mere repairing or reconstructing any existing public work or improvement once completed.

SEC. 7. Whenever any vote or resolution described in the first section of this chapter has been legally published, and it shall be necessary to take any land or any interest therein belonging to private owners or corporations for said contemplated improvement, the Court of Common Council, before otherwise carrying said vote or resolution into effect, unless they obtain such land or interest by voluntary dedication from the owners thereof, or unless, in case of change of grade of any highway, they shall obtain releases of all special damages resulting to land or any interest therein from said change of grade, shall refer the subject-matter of the contemplated improvements to the Board of Street Commissioners, and said Board shall thereupon proceed in behalf of said Court of Common Council as follows: Said Board shall obtain from the City Engineer a map, drawing, or written description, clearly explaining the contemplated improvement, and showing the adjoining land and owners thereof, and shall then agree, if possible, with the owners of the land required for said improvement, upon the compensation to be made therefor, including the damages for establishing a building and veranda line, or lines, in case of opening a new street, and with those whose land or interest therein will be specially damaged by change of grade of highway, and with those who will be specially benefited by said improvement or change of grade, as to the payment of the entire amount to be assessed as betterments for said improvement, and the respective amounts, or proportions thereof, which

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each person so benefited will pay; and secure from each such owner or person proper written evidence of such agreement.

SEC. 10. Their report shall set forth the amount if damage agreed upon with each of said owners of land, and the amount of benefits agreed to be paid by the respective parties benefited by said improvements in cases of agreement with all parties; or in case of assessment by said Board, of the amount of damages appraised or betterments assessed upon each of the parties entitled to such damages or liable for such betterments, or upon an appeal the amount fixed by the court or judge hearing the same, so that all damages thus ascertained may become a part of the expense to be assessed, and all betterments may be thus assessed upon the persons or property specially benefited thereby. And said Board shall also embrace in their report a written descriptive survey of the proposed improvement concerning which said proceedings have been had, and such a vote, resolution, or ordinance as, in their judgment, ought to be passed in order to establish and carry out said improvement, fully describing therein the width, curve, boundaries, grade, building, and veranda line or lines, and such other particulars of said improvement as the case may require, and including an order for the payment or deposit at some place named therein of the amount of damages appraised to the respective owners of any land or interest therein required for said improvement, and an order to the Collector forthwith to collect all said assessments for said betterments assessed as aforesaid.

Said court may alter said proposed vote if it see cause, provided no change be made in the lines or location of the improvement which will require taking more or a greater interest in any land for said improvement than shown by said survey and report, and provided that no change of grade of highway be made that shall occasion greater damage than the grade shown by said survey and report, and shall thereupon adopt such vote or resolution, with or without such alteration, or reject the same.

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SEC. 11. "Veranda line" shall mean a line beyond which no part of the veranda or steps thereto shall be built.

SEC. 12. "Building line" shall mean that on all streets where veranda lines are established, that all parts of the building, except open verandas, must be kept back of said line.

Approved, March 28, 1899.

AMENDMENT TO AN ORDINANCE RELATING TO NUMBER OF PRINTED COPIES OF JOURNALS TO BE BOUND.

Be it ordained, That Section 5 of Chapter II of the Revised Ordinances, adopted March 28, 1898, be and hereby is amended by striking out the words "two hundred copies," and inserting in lieu thereof the words "not more than one hundred and thirty-five copies."

Approved, April 18, 1899.

AN ORDINANCE CONCERNING THE SPRINKLING OF STREETS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Except as it may be the duty of the street railway companies, by vote of said Common Council, March 19, 1894, to water or sprinkle streets used by said companies, the City of Hartford shall water or sprinkle such streets or portions of streets as may be designated by the Board of Street Commissioners. Said watering or sprinkling shall be done at such times and in such manner as the Board of Street Commissioners may direct. Provided, however, that all persons whose property may be affected by the passage of this ordinance shall have opportunity to petition or remonstrate before said Commissioners, and be heard at meetings duly advertised, before such watering or sprinkling affecting them shall begin.

SEC. 2. The Board of Street Commissioners is authorized

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to purchase such watering or sprinkling carts and devices as may be necessary and convenient, for the use of said City, or to contract in the name of the City with the lowest responsible bidders, to furnish such carts and devices, and to water or sprinkle the streets of said City, except so far as it is the duty of said street railway companies, under restrictions mentioned, so to do.

SEC. 3. The said Board of Street Commissioners, on or before the sixth day of July in each year, shall estimate the actual expense in providing for and watering or sprinkling the streets of the City, that may be ordered watered or sprinkled by said City, and determine the amount to be assessed against the persons whose property is to be specially benefited thereby, in accordance with the terms and specifications of "An Act Amending the Charter of the City of Hartford Authorizing the Common Council to Provide for Sprinkling Streets," approved April 29, 1897, and report the same with the amount assessed against each piece of property bordering on streets watered or sprinkled by it, and the name of the owner of said property, to the Court of Common Council, who shall accept or amend said report, and having fixed the amount to be paid by each owner of property and the time when the same shall become due and payable, shall give said accounts and assessments to the Collector of Taxes of said City.

SEC. 4. Said Collector shall thereupon proceed to collect the sums assessed at the time and in the manner prescribed in existing laws for the collection of taxes and assessments, and to see that all proper liens are filed to enforce said assessments as provided by existing laws.

Approved, April 18, 1899.

AN ORDINANCE CONCERNING STREET SPRINKLING.

Be it ordained by the Court of Common Council of the City of Hartford:

That whenever the Board of Street Commissioners shall estimate the expense of providing for and watering or sprink-

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ling the streets of the City, and shall determine the amount to be assessed against the lands especially benefited thereby, the Board shall immediately give written notice of such assessment to every known owner of property assessed, by depositing such written notice in the Post Office, postage paid, and addressed to such owner at his last known place of abode, and if such owner's abode be unknown, said Board shall publish a list of such owners unknown, indicating the property assessed and the amount of the assessment, once in each of the four daily newspapers of the City.

Approved, June 27, 1899.

AN ORDINANCE RELATING TO PERMANENT FORCE OF TRUCK COMPANY AND ENGINE COMPANY NO. 3.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That the Board of Fire Commissioners be and are hereby authorized and instructed to employ as a permanent force for the Truck Company nine laddermen at an annual salary of eight hundred dollars each, and one foreman at an annual salary of nine hundred dollars, instead of one foreman, two bunkers, and thirteen laddermen now employed.

SEC. 2. That said Board of Fire Commissioners be and are hereby authorized and instructed to employ as a permanent force for Engine Company Number 3, three hosemen at an annual salary of eight hundred dollars each, and one foreman at an annual salary of nine hundred dollars, instead of one foreman, three bunkers, and six hosemen now employed.

SEC. 3. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, Nov. 14, 1899.

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AN ORDINANCE AMENDING AN ORDINANCE RELATING TO CHEMICAL ENGINE COMPANIES AND PERMANENT MEN THEREOF.

Be it ordained by the Court of Common Council of the City of Hartford:

Paragraph 6, Section 7, Page 47, of the Revised Ordinances of 1898, is amended to read as follows:

"There shall be three chemical engine companies, each to consist of the following men, to wit, 1 driver, 1 assistant driver, and 2 pipe-men, who shall be permanent men. One of said men shall be designated as foreman of each company by the Board of Fire Commissioners, and the one so designated shall be paid at the rate of $900 a year."

All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, January 9, 1900.

AN ORDINANCE AMENDING AN ORDINANCE REGARDING FIRE DEPARTMENT.

Be it ordained by the Court of Common Council of the City of Hartford:

Section 16, Chapter VIII, of the Revised Ordinances, adopted March 28, 1898, is hereby amended to read as follows:

"SECTION 16. It shall be the duty of the Fire Commissioners to purchase for the City such apparatus and other property, both real and personal, as may be necessary for the wants of the department, and also to sell or exchange, in the manner provided by the ordinances of the City, when they shall deem best, any of the real and personal property of the City in use by the Fire Department, and in the event of the said Commissioners failing to make such purchase, sale, or exchange, as may be necessary, it shall be the duty of the Fire Department Committee of the Court of Common Council to make such purchase, sale, or exchange, provided that such purchase, sale, or

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exchange shall be first approved by a resolution of the Court of Common Council."

Approved, Feb. 13, 1900.

ORDINANCE CONCERNING VACANCIES IN TOWN AND CITY OFFICES.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That the Court of Common Council shall by concurrent resolution fill all vacancies in any office that may become vacated by a failure to qualify, or resignation, or death of the incumbent of any town or city office.

SEC. 2. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, April 25, 1900.

AN ORDINANCE RELATING TO SALARIES OF PERMANENT STOKERS AND PIPEMEN OF THE FIRE DEPARTMENT.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The pay of each permanent stoker of the Fire Department shall be eight hundred dollars ($800) a year.

SEC. 2. The pay of each permanent pipeman of the Fire Department shall be eight hundred dollars ($800) a year.

SEC. 3. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, May 15, 1900.

AN ORDINANCE AMENDING AN ORDINANCE RELATING TO THE REMOVAL OF RUBBISH.

Be it ordained by the Court of Common Council of the City of Hartford.

That Sections 7 and 8 of Chapter X of the Revised Ordinances of the City of Hartford, as amended by "An Ordinance

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Relating to the Removal of Old Clothing, Bedding, Ashes, Dirt, Sweepings Rubbish, etc.," approved May 24, 1898, be hereby further amended by the addition of the following definition:

The word "rubbish" as used in said Sections 7 and 8 of Chapter X shall be construed to mean and include all waste papers, leaves of trees, small branches or twigs of trees, and cut or waste grass.

Approved, June 26, 1900.

AN ORDINANCE ALLOWING ADDITIONAL CLERK HIRE FOR THE CITY CLERK.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The City Clerk shall, from and after the first day of June, A. D. 1900, be allowed and entitled to receive from the City of Hartford in addition to his salary as fixed by law, and in addition to the amount of sixty dollars now allowed him for hire of a messenger, the further additional sum of six hundred dollars a year for clerk hire, provided, however, that the said City Clerk shall not be allowed a greater sum for clerk hire as aforesaid than is actually expended for that purpose by him, and that the vouchers for all such clerk hire shall be submitted to the Auditing Committee by said City Clerk.

SEC. 2. All ordinances and parts of ordinances, so far as inconsistent herewith, are hereby repealed.

Approved, June 26, 1900.

AN ORDINANCE RELATING TO THE SALARY OF THE ASSISTANT TOWN CLERK.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The compensation of the Assistant Town Clerk, to be paid out of the treasury of the City of Hartford,

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shall, from and after the first day of August, 1900, be fifteen hundred dollars per annum.

SEC. 2. All ordinances and parts of ordinances, so far as inconsistent herewith, are hereby repealed.

Approved, July 17, 1900.

AN ORDINANCE RELATING TO CITY ADVERTISING.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That each public advertisement required by law to be made of any City notice or ordinance shall be published in one and only one of the daily morning newspapers published in said City, and in one and only one of the daily evening newspapers published in the City of Hartford. The number of insertions of such advertisement shall be as now required by law.

SEC. 2. That upon such publication, a short notice, not more than one and one-half inches in length, single column, stating the street or locality affected in said full notice, or the title of the ordinance, and the general nature of the full notice specified in the preceding section, and referring to said full notice by the name and date of the newspapers wherein said full notice is published, shall be printed in one other daily morning paper and one other daily evening paper published in the said City.

Such short notice shall be published within one day after the publication of the full notice to which it refers.

SEC. 3. All City advertising provided for in the preceding sections shall as far as practicable be distributed equally among the four daily newspapers now published in said City.

SEC. 4. All such advertising shall be at the rate of not more than one (1) dollar per inch for the first insertion and publication of such advertisement, and fifty (50) cents an inch for any subsequent insertion thereof in such newspaper.

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SEC. 5. All ordinances and parts of ordinances inconsistent herewith are hereby repealed, except an ordinance relating to the time of laying pipes, etc., in streets to be paved with improved pavements.

Approved, Oct. 23, 1900.

AN ORDINANCE RELATING TO THE TIME FOR LAYING PIPES IN STREETS TO BE PAVED WITH IMPROVED PAVEMENT.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The Board of Street Commissioners of the City of Hartford shall give to all gas, telephone, telegraph, and electric light companies doing business in this City, and to the Board of Water Commissioners of said City, written notice specifying all streets, alleys, or highways in which it is proposed by said Board of Street Commissioners to lay asphalt, Belgian or granite block, sheet asphalt, or any "improved pavement," so called, other than macadam or "Telford," so called, and shall publish such notice twice in each of the four daily papers published in said City, such notice to be so given and published at least six (6) months before the date upon which it is proposed by said Board of Street Commissioners to begin to lay such pavement. Such notice shall specify the streets, alleys, or highways to be paved, and the respective date or dates at which it is proposed to begin to lay such pavement in said streets, alleys, or highways.

SEC. 2. No gas, telephone, water, telegraph, sewerage, or electric light pipes, conduits, or connections shall be laid, repaired, replaced, or removed in any streets, alleys, or highways so proposed to be so paved within less than three (3) months preceding the date when it is so proposed to begin to lay such pavement, except upon permit issued by a special vote of said Board of Street Commissioners.

Approved, Oct. 29, 1900.

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AN ORDINANCE RELATING TO THE PURCHASE OF COAL FOR CITY USE.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. All coal to be used by or for the City of Hartford or by any Board or Department thereof, or by any Committee of the Court of Common Council, shall be contracted for and purchased only after bids for the same shall have been called for by public advertisement, and such contracts shall then be awarded to the lowest responsible bidder.

SEC. 2. The Board, Department, Committee, or other authority making such contract, may in its discretion require a bond for the proper performance of such contract.

SEC. 3. All votes, resolutions, or ordinances, or parts thereof, inconsistent herewith, are hereby repealed.

Approved, Dec. 11, 1900.

AN ORDINANCE RELATING TO AN INCREASE OF THE POLICE DEPARTMENT.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The Police Department shall consist of one chief of police, one captain, one lieutenant, not more than six sergeants, one of whom, under the direction of the Mayor, may be assigned as inspector of licenses and public vehicles, one police matron, ninety regular policemen, and not more than one hundred supernumerary policemen, any of whom may be called into service by the chief of police, whenever, in the opinion of the Board of Police Commissioners, their services may be needed, and no supernumerary policeman shall be appointed to the permanent force until he has performed active police service for at least six months.

SEC. 2. Section Six (6) of Chapter Nine (IX) of the Re-

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vised Ordinances of 1898, and all other ordinances, votes, and resolutions, or parts thereof, inconsistent herewith, are hereby repealed.

Approved, Dec. 11, 1900.

AN ORDINANCE ON INCREASE OF SALARY OF CITY PHYSICIAN.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. From and after February first, 1901, the salary of the City Physician shall be one thousand dollars ($1,000) per annum, in lieu of his present salary of $300, and in lieu of the $300 additional allowed him for dispensary work.

SEC. 2. Section Five (5), Chapter Thirteen (XIII) of the Revised Ordinances of 1898, relating to the employment of the Hartford Medical Society to perform part of the services of the City Physician, is hereby repealed.

SEC. 3. All other votes, ordinances, and parts of ordinances, inconsistent herewith, are hereby repealed.

Approved, Dec. 29, 1900.

AN ORDINANCE RELATING TO CLERK HIRE FOR THE SEALER OF WEIGHTS AND MEASURES AND INSPECTOR OF MILK.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The Sealer of Weights and Measures and Inspector of Milk shall hereafter be allowed and be entitled to receive from the City of Hartford, in addition to his salary and fees as fixed by law, the sum of five hundred dollars ($500) a year for clerk hire; provided, however, that the said Sealer of Weights and Measures and Inspector of Milk shall be allowed no greater sum for clerk hire than is actually expended by him for such purpose.

SEC. 2. This ordinance shall take effect April 1, 1901.

Approved, Feb. 26, 1901.

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AN ORDINANCE RELATING TO THE EMPLOYMENT OF LABOR.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That in all work done by the City of Hartford or any of the Departments thereof, legal voters of said City of Hartford shall be preferred for appointment and employment.

SEC. 2. All ordinances and parts of ordinances, so far as the same are inconsistent herewith, are hereby repealed.

Approved, Feb. 26, 1901.

AN ORDINANCE AMENDING SECTIONS 6 AND 14 OF CHAPTER IX, AND SECTION 5 OF CHAPTER V, OF THE REVISED ORDINANCES RELATING TO SALARIES AND INCREASE OF THE POLICE FORCE.

Be it ordained by the Court of Common Council of the City of Hartford:

(1) Section 6 of Chapter IX of the Revised Ordinances of the City of Hartford is hereby amended by adding after the word "lieutenant," in the second line therein, the following: "two detective sergeants, who shall perform general detective service," so that said section shall read as follows: "SEC. 6. The Police Department shall consist of one chief of police, one captain, one lieutenant, two detective sergeants, who shall perform general detective service, not more than six sergeants, one of whom, under the direction of the Mayor, may be assigned as inspector of licenses and public vehicles, one police matron, ninety regular policemen, and not more than 100 supernumerary policemen, any of whom may be called into service by the Chief of Police whenever, in the opinion of the Board of Police Commissioners, their services may be needed; and no supernumerary policeman shall be appointed to the permanent force until he has performed active service for at least six months."

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(2) Section 5 of Chapter V of the Revised Ordinances of the City of Hartford is hereby amended by adding after the words "lieutenant, $1,200," in the fifth line therein, the words "each detective sergeant, $1,100."

(3) Section 14 of Chapter IX of the Revised Ordinances of the City of Hartford is hereby amended by the addition of the following words: "It shall be the duty of the detective sergeants to assist in the detection of criminals, to investigate complaints, to aid in the preparation of cases for trial, and to otherwise assist in bringing offenders to justice."

All ordinances or parts of ordinances inconsistent with the above are hereby repealed.

Approved, March 12, 1901.

AN ORDINANCE AMENDING CHAPTER XVI OF THE REVISED ORDINANCES RELATING TO AMUSEMENTS.

Be it ordained by the Court of Common Council of the City of Hartford:

Chapter XVI of the Revised Ordinances of 1898 is hereby amended as follows:

SEC. 9. Every licensee, before he receives any license for a theatrical exhibition, public show, public amusement, athletic contest, or other performance or exhibition of any description, to which admission is obtained by the payment of money or the delivery of any valuable thing, or by any ticket or voucher obtained for money or any valuable thing, shall pay to the said committee for such license, covering such performance or exhibition, as follows:

Circus, Wild West Show, and out-door and tent performances of an itinerant and transient character, a sum not exceeding $75.00 per day.

Athletic contests, for each contest, $15.00.

All other performances, public show, public performance, or exhibition, $1.00 per day, and every such licensee, as a condition for obtaining such license —

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(a) Shall cause facilities for entering and inspecting his place of amusement and viewing the exhibition or performances therein to be furnished at all times to any member of said Amusement Committee applying therefor.

SEC. 10. These amendments are to take effect April 1, 1901.

SEC. 11. All ordinances or parts of ordinances inconsistent herewith are hereby repealed.

Approved, March 12, 1901.

AN ORDINANCE RELATING TO COMPENSATION OF FOREMEN OF FIRE ENGINE AND TRUCK COMPANIES.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That the compensation of foremen of permanent fire engine and truck companies of the Fire Department shall be twelve hundred dollars ($1,200) per annum. To take effect April 1, 1901.

SEC. 2. All ordinances, or parts of ordinances, so far as they are inconsistent with this ordinance, are hereby repealed.

Approved, March 12, 1901.

AN AMENDMENT TO AN ORDINANCE RELATING TO PURCHASE OF CITY COAL.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That the Ordinance Relating to the Purchase of City Coal, approved January 29, 1901, be amended so that Section 1 thereof shall read as follows:

"All coal to be used by or for the City of Hartford, or by any Board or Department thereof, or by any Committee of the Court of Common Council, shall be contracted for and pur-

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chased only after bids for the same shall have been called for by public advertisement, and such contracts shall then be awarded to the lowest responsible bidder; provided, that this ordinance shall not apply to purchase of coal by any such Board, Department, or Committee, not exceeding an aggregate of one ton during the calendar month."

Approved, March 26, 1901.

AN ORDINANCE RELATING TO HIGHWAY BOUNDS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The Board of Street Commissioners of the City of Hartford shall cause the streets and highways within their jurisdiction to be defined and marked in the following manner:

At the beginning and termination by stone, steel, or iron bounds on each side, and a stone, steel, or iron bound at each angle or deflection between the beginning and termination, and at such intermediate points as the grades of the streets or their conditions render necessary.

SEC. 2. Stone bounds shall be not less than four inches square by two feet in length with a mark on top. Steel or iron bounds shall be not less than one inch in diameter, if round, or not less than one inch square, and shall be at least two and one-half feet in length.

SEC. 3. It shall be the duty of the City Engineer, subject to the approval and direction of the Board of Street Commissioners, to set such highway bounds, and to expend for that purpose such appropriations as the Court of Common Council may annually make, until all the public streets of the City shall have been so marked and defined; and the Board of Street Commissioners shall indicate from time to time the streets and highways to be so marked and defined.

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SEC. 4. The size, shape, material, and manner of setting such bounds, subject to the above specifications, shall be determined by the City Engineer, and such bounds shall be set upon the street line or upon such uniform offset line, parallel thereto, as he shall deem advisable, provided that such offset line shall be at uniform distance throughout the City from the street line which it is intended to define.

Approved, March 26, 1901.

AN ORDINANCE RELATING TO SALARY OF CITY ATTORNEY.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Beginning with April 16, 1901, and thereafter, the compensation of the City Attorney shall be five thousand dollars ($5,000) per annum for all services rendered the City as City Attorney.

SEC. 2. So much of the existing ordinance as provides an allowance of one thousand dollars ($1,000) for clerical assistance for the City Attorney is hereby repealed, and no allowance for clerical assistance shall be made unless specially authorized by vote of the Court of Common Council.

SEC. 3. All ordinances, or parts of ordinances, inconsistent with this ordinance, are hereby repealed.

Approved, March 26, 1901.

ORDINANCE ON PAY OF TILLERMEN OF TRUCK COMPANIES.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. From and after June 15, 1901, the pay of the tillermen of truck companies of the Fire Department shall be at the rate of nine hundred dollars per year.

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SEC. 2. All ordinances and parts thereof inconsistent herewith are hereby repealed.

Approved, May 28, 1901.

AN ORDINANCE RELATING TO KEEPING OF BOOKS AND RECORDS BY CERTAIN COMMITTEES OF THE COURT OF COMMON COUNCIL.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That the following Joint Standing Committees of the Court of Common Council, to wit: — The Committee on Public Baths, the Committee on Cemeteries, and the Committee on City Buildings, shall each keep a complete set of books and records, showing all expenditures and receipts and all the votes, business, and transactions of such committees, respectively.

SEC. 2. That the Committee on Claims shall keep books of records, showing all the votes, business, and transactions of said committee.

SEC. 3. All books necessary for the aforesaid purposes shall be furnished by the City Clerk, at the expense of the City, and all of such books shall, at the expiration of the Council year, be delivered to the City Clerk, and by him delivered to the succeeding committees.

SEC. 4. All of said books and records shall remain the property of the City, and shall be open to public inspection at all reasonable times.

SEC. 5. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, July 9, 1901.

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AN ORDINANCE RELATING TO APPOINTMENT OF DEPUTY BUILDING INSPECTOR.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Section 2 of Chapter XIV of the Revised Ordinances of 1898 is hereby amended to read as follows:

"The Mayor, by and with the approval of the Board of Aldermen, shall appoint a Building Inspector and á Deputy Building Inspector. Said Deputy Building Inspector shall assist the Building Inspector in the performance of the duties of Building Inspector, and shall exercise, subject to the control and direction of the building inspector, all the powers of said inspector, and shall, in case of the death of said building inspector while in office, perform all the duties of said office until the vacancy in said office is filled. Said building inspector and deputy building inspector shall be competent persons with practical experience in the construction of brick and wooden buildings, and shall not be interested directly in any building contract or in furnishing material for the same, and shall hold office for the term of two years from the first day of January next following their appointment, unless said appointment be made to fill a vacancy, in which event the appointee shall hold office for the balance of the unexpired term only, and until his successor is appointed and qualified, except that the first appointee to the office of deputy building inspector shall hold office from August 1, 1901, to January 1, 1903."

The salary of said deputy shall be at the rate of one thousand dollars ($1,000) per annum, in lieu of all compensation or fees.

The said building inspector shall also, from and after August 1, 1901, be allowed a sum not exceeding four hundred dollars ($400) per annum, in addition to his present salary, for clerk hire; provided that only so much shall be allowed said inspector as shall actually be expended by him for such clerk hire.

All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, July 19, 1901.

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AN ORDINANCE RELATING TO SALARY OF LINEMAN OF FIRE DEPARTMENT.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. From and after August 1, 1901, the salary of the lineman of the Fire Department shall be at the rate of one thousand dollars ($1,000) per annum.

SEC. 2. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, July 19, 1901.

AN ORDINANCE RELATING TO BATHING.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Bathing by any person naked at any public place in the said City, outside of any building, shall be deemed a nuisance, and every person who shall commit such nuisance or aid or assist therein, shall forfeit and pay a fine of not exceeding $30.00 for each offense.

SEC. 2. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, July 19, 1901.

AN AMENDED ORDINANCE RELATING TO BUILDING INSPECTOR, ETC.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Section 2 of Chapter XIV of the Revised Ordinances of 1898 is hereby amended to read as follows:

"The Mayor, by and with the approval of the Board of Aldermen, shall appoint a building inspector and a deputy building inspector. Said deputy building inspector shall assist the building inspector in the performance of the duties of build-

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ing inspector, and shall exercise, subject to the control and direction of the building inspector, all the powers of said inspector, and shall, in case of the death of said building inspector while in office, perform all the duties of said office until the vacancy in said office is filled. Said building inspector and deputy building inspector shall be competent persons with practical experience in the construction of brick and wooden buildings, and shall not be interested directly or indirectly in any building contract or in furnishing material for the same, and shall hold office for the term of two years from the first day of January next following their appointment, unless said appointment be made to fill a vacancy, in which event the appointee shall hold office for the balance of the unexpired term only, and until his successor is appointed and qualified, except that the first appointee to the office of deputy building inspector shall hold office from August 1, 1901, to January 1, 1903.

"The salary of said deputy shall be at the rate of one thousand dollars ($1,000) per annum, in lieu of all compensation or fees.

"The said building inspector shall also, from and after August 1, 1901, be allowed a sum not exceeding four hundred dollars ($400) per annum, in addition to his present salary, for clerk hire; provided that only so much shall be allowed said inspector as shall actually be expended by him for such clerk hire.

"All ordinances and parts of ordinances inconsistent herewith are hereby repealed."

Approved, November 12, 1901.

ORDINANCE RELATING TO SELECTION OF JURORS FOR THE CITY COURT.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The jurors of the City Court shall be electors of the City of Hartford, and shall possess all other qualifica-

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tions prescribed by the laws of the State of Connecticut applicable to such jurors.

SEC. 2. At the annual meeting of the Board of Aldermen for the choice of jurors of said Court, there shall be submitted and recommended to said Board a printed list of proposed jurors, not less than seventy or more than one hundred and fifty in number, which shall have been carefully prepared and signed by the three Aldermen who shall then be members, respectively, of the Committee on Ordinances, the Committee on Nominations, and the Committee on Education, or a majority of said three Aldermen; and the jurors elected at such annual meeting shall serve until the next annual meeting for the choice of jurors, and until their successors be chosen and qualified.

SEC. 3. All ordinances, so far as they provide that such jurors shall be freeholders, and all ordinances so far as they are inconsistent herewith, are hereby repealed.

Approved, January 28, 1902.

ORDINANCE RELATING TO CUSTODY OF DEEDS OF CITY PROPERTY.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. All deeds of City property shall, as soon as the same have been recorded, be deposited with the City Treasurer, and be thereafter kept by him.

SEC. 2. All ordinances, resolutions, or parts thereof, inconsistent herewith, are hereby repealed.

Approved, March 11, 1902.

ORDINANCE RELATING TO KEEPING OF POULTRY.

Be it ordained by the Court of Common Council of the City of Hartford:

That it shall be the duty of the Board of Health to issue licenses permitting the keeping of live poultry within the limits

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of the City of Hartford, when such a license shall be requested by any person, upon the payment of fifty cents for such license. When, in the opinion of the Board of Health, the said keeping of poultry in any specific place, or by any specific person, becomes a nuisance, the Board may order the said poultry to be removed, or the conditions creating such nuisance abated or otherwise improved or purified, as in their order shall be specified, and shall cause the order before its execution to be served upon the person maintaining such a nuisance. If the party served with an order by the Board of Health, before the execution of the order is commenced, apply to the Board to have such order stayed or modified, it shall be the duty of the Board to temporarily suspend or modify it, and give the party, as the case may require, a reasonable and fair opportunity to be heard and to present proofs and facts against the execution of the order, or in favor of its modification.

Approved, March 11, 1902.

ORDINANCE RELATING TO THE DUTIES OF SELECTMEN.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The powers and duties relating to the administration and enforcement of the laws concerning dogs, vested by law in the Selectmen of the Town of Hartford prior to the act consolidating said Town and the City of Hartford, shall hereafter be vested in and exercised by the Chief of Police of the City of Hartford.

SEC. 2. In addition to the powers and duties specified in said act of consolidation and the Constitution of this State, the Selectmen shall continue to exercise only those powers and duties which were vested in them prior to said consolidating act relating to the selection of jurors, the selection of polling places, election booths, ballot boxes, fences, common fields, the enrollment of the militia, the appointment of a person to verify the indexes of the land records, and pounds.

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SEC. 3. Hereafter the powers and duties formerly vested by law in the Selectmen of the Town of Hartford, relating to the following matters, shall be vested in and exercised by the following officials, to wit: The powers and duties relating to the marriage of female minors, and guardians of orphan minors, shall be vested in and exercised by the Board of Charity Commissioners; the powers and duties relating to the offering of rewards shall be vested in and exercised by the Chief of Police; the powers and duties relating to public signpost and fireproof safes shall be vested in and exercised by the Public Buildings Committee of the Court of Common Council; and the powers and duties relating to the maintenance and repairing of the town records shall be vested in and exercised by the Town Clerk.

SEC. 4. The Town Clerk shall be *ex officio* Clerk of the Board of Selectmen, and shall receive as full compensation for his services five dollars for each meeting held by the Selectmen.

SEC. 5. This ordinance shall take effect from and after the first Monday in June, 1902.

SEC. 6. The ordinance passed February 28, 1898, concerning the duties of the Selectmen, and all other ordinances and parts of ordinances inconsistent herewith, are hereby repealed.

Approved, May 13, 1902.

ORDINANCE RELATING TO COMPENSATION OF SELECTMEN.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That Section 12 of Chapter V of the Revised Ordinances adopted March 28, 1898, be amended to read as follows: "Each member of the Board of Selectmen shall be paid for the time actually spent in the discharge of the duties of his office, at the rate of one and one-quarter dollars per hour; provided that for all time aggregating less than two hours spent in any one day, he shall receive at least $2.50; provided,

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also, that for all services as fence viewers the compensation and the manner of payment shall be exclusively as provided by statute."

SEC. 2. This ordinance shall take effect from and after the first Monday in June, 1902.

SEC. 3. All ordinances and parts thereof inconsistent herewith are hereby repealed.

Approved, May 13, 1902.

AN ORDINANCE RELATING TO INTEREST CHARGES ON UNPAID ASSESSMENTS FOR PUBLIC IMPROVEMENTS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Any unpaid assessment made for public improvements within the City of Hartford shall bear interest at the rate of four per cent. per annum, from the time a certificate of lien therefor, upon the property assessed, has been lodged for record with the Town Clerk, until such assessment shall be paid, which interest shall be added to and made collectible as a part of such assessment.

SEC. 2. Section 16 of Chapter VII of the Revised Ordinances is hereby repealed.

SEC. 3. All ordinances and parts of ordinances, so far as inconsistent herewith, are hereby repealed.

Approved, June 10, 1902.

AN ORDINANCE RELATING TO THE EMPLOYMENT OF SEWER INSPECTORS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Section 39 of Chapter VII of the Revised Ordinances adopted March 28, 1898, is hereby amended to read as follows:

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"SECTION 39. No person shall be employed as an inspector on any sewer in process of erection or repairs who has, within the period of three years prior to such employment, entered into any contract with the City for the construction of any sewer."

SEC. 2. Section 40 of Chapter VII of the Revised Ordinances, adopted March 28, 1898, is hereby amended to read as follows:

"SECTION 40. For each sewer to be constructed or repaired, the City Engineer shall appoint an inspector."

Approved, June 24, 1902.

AN ORDINANCE RELATING TO CITY CONTRACTS.

Be it ordained by the Court of Common Council of the City of Hartford:

Section 13 of Chapter VI of the Revised Ordinances of the City of Hartford, adopted March 28, 1898, is hereby amended to read as follows:

"SECTION 13. All contracts for City work exceeding in amount five hundred dollars shall be publicly advertised and the contract awarded to the lowest responsible bidder, provided he shall furnish a satisfactory bond for the faithful performance of his contract; but no officer of the City, or member of the Court of Common Council, or of any board or commission of the City, shall be permitted to bid for or be awarded such contract for work exceeding that amount to be done by the City or any of its departments, which shall have been ordered by, or which is to be performed under the supervision of, such officer, or of the body, board, or commission of which he is a member. Any violation of this section shall be misfeasance in office, and shall be punished accordingly."

Approved, September 9, 1902.

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AN ORDINANCE AMENDING AN ORDINANCE RELATING TO MEASUREMENT OF FIRE WOOD.

Be it ordained by the Court of Common Council of the City of Hartford:

Section 24 of Chapter II of the Revised Ordinances of 1898 is hereby amended to read as follows:

"An inspector of fire wood shall be appointed annually by said Court, who shall give a bond and surety in the sum of one hundred dollars ($100), payable to the City. All fire wood brought into said City for sale and all fire wood sold in said City, except when sold in boxes as hereinafter provided, shall be measured by the inspector, or deputy inspector by him appointed, who shall give a certificate of the measure of the same in solid feet, signed by him, which shall be delivered to the purchaser at the time of sale. Kindling wood may be sold in boxes containing three solid feet, the inside dimensions of which shall be one and one-half (1½) feet in length, thirteen (13) inches in width, and two feet in height; provided said boxes have been sealed by the Sealer of Weights and Measures in the manner provided in Section 9 of this Chapter."

Approved, November 25, 1902.

AN ORDINANCE RESPECTING THE LOCATION, CONSTRUCTION OF, AND PAVING ADJACENT TO MANHOLES AND WATER GATES IN THE PUBLIC STREETS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. No license shall be granted to any person or corporation to locate manholes in any of the streets paved with material other than the macadam in general use, except upon the condition that such person or corporation building and maintaining such manholes shall restore the street to the same condition as it was before, and shall keep the surface of the

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street for the space of two feet outside the outer edges of the frames of such manholes, paved to the satisfaction of the Board of Street Commissioners.

SEC. 2. The size, form, material, and location of all manholes, and the size, form, and material of all manhole and water gate frames and covers used in the streets paved as provided in Section 1 of this ordinance, shall be approved by the City Engineer.

SEC. 3. All manholes constructed in pursuance of a license as provided in Section 1 of this ordinance shall be drained as required by the City Engineer.

SEC. 4. Any person or corporation maintaining manholes or water gates in any of the public streets paved with material other than macadam in general use, shall provide and maintain such covers for said manholes and water gates as the City Engineer may prescribe, and shall also keep in repair to the satisfaction of the Board of Street Commissioners the surface of the street for a space of two feet around the outer edge of the frames of said manholes or water gates.

SEC. 5. Any person or corporation violating the provisions of the foregoing sections shall, upon conviction thereof, forfeit and pay a fine of not exceeding twenty-five dollars for each and every day of such violation.

Approved, January 28, 1903.

AN ORDINANCE RELATING TO PAY OF FIREMEN.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. From and after April 1, 1903, the pay of each assistant engineer, driver and assistant driver, tillerman, ladderman, hoseman, pipeman, and stoker entering the permanent employment of the Fire Department of the City, shall be eight hundred dollars a year.

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SEC. 2. The pay of each assistant engineer, driver and assistant driver, tillerman, ladderman, hoseman, pipeman, and stoker in the permanent employment of the Fire Department of the City, shall be increased at the rate of fifty dollars each year, until they receive the sum of one thousand dollars each; provided that no such person so employed shall receive such increase unless the same is recommended by the Board of Fire Commissioners.

SEC. 3. Every assistant engineer, driver and assistant driver, tillerman, ladderman, hoseman, pipeman, and stoker now in the permanent employ of the Fire Department of the City, shall, upon recommendation of the Board of Fire Commissioners, be paid the same scale of wages provided in Section 2 of this ordinance, for those hereafter entering the Fire Department.

SEC. 4. This ordinance shall not be so construed as to decrease the pay of any assistant engineer, driver and assistant driver, tillerman, ladderman, hoseman, pipeman, and stoker now in the permanent employ of the Fire Department of the City.

SEC. 5. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, February 25, 1903.

AN ORDINANCE RELATING TO SALARY OF CLERK OF BOARD OF CHARITY COMMISSIONERS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. From and after April 1, 1903, the salary of the clerk of the Board of Charity Commissioners shall be sixteen hundred and fifty dollars ($1,650) per annum.

SEC. 2. So much of Section 9 of Chapter V of the Revised Ordinances of 1898 as is inconsistent herewith, and all other acts and parts of acts inconsistent herewith, are hereby repealed.

Approved, March 10, 1903.

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AN ORDINANCE RELATING TO THE APPOINTMENT OF AN ASSISTANT CITY ENGINEER.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The Board of Street Commissioners of the City of Hartford shall have power, and they are hereby authorized, to appoint, upon the recommendation of the City Engineer, an Assistant City Engineer, who shall hold office during the pleasure of said Board.

SEC. 2. The Assistant City Engineer, appointed as aforesaid, shall be under the direct supervision, direction, and control of the City Engineer, and during his absence or disability shall perform all the duties and conform to all the requirements now prescribed by law for the City Engineer.

SEC. 3. From and after the first day of April, 1903, the compensation of the Assistant City Engineer shall be eighteen hundred dollars ($1,800) for each year of service.

Approved, March 10, 1903.

AN ORDINANCE CONCERNING UNPAID ASSESSMENTS FOR PUBLIC IMPROVEMENTS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That the Mayor, the Collector of Taxes, and the City Attorney shall be a special committee authorized and empowered to adjust, settle, and compromise upon such terms as in their judgment will best subserve the City's interests, assessments upon private property and persons for public improvements, accruing at least twelve (12) years prior to the date of such adjustment, settlement, or compromise, and that the Collector of Taxes is authorized upon such adjustment, settlement, or compromise, to release and discharge of record

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the liens so disposed of, subject to approval of Court of Common Council.

SEC. 2. All ordinances and parts of ordinances, and all resolutions of the Court of Common Council inconsistent herewith, are hereby repealed.

Approved, March 24, 1903.

AN ORDINANCE RELATING TO THE COMPENSATION OF THE SELECTMEN AND TOWN CLERK.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That Section 1 of an ordinance relating to the compensation of Selectmen, approved May 13, 1902, be amended to read as follows:

"Each member of the Board of Selectmen, except when acting in relation to the admission of persons to the privileges of electors, shall be paid for the actual time spent in the discharge of the duties of his office at the rate of one and one-quarter dollars per hour, provided that for all time aggregating less than two hours spent in any one day, he shall receive at least two and one-half dollars; provided also that for all services as fence viewers the compensation and the manner of payment shall be exclusively as provided by statute."

SEC. 2. The Town Clerk, and each member of the Board of Selectmen, when acting in the discharge of the duties imposed upon them by the constitution and laws of the State, in relation to the admission of persons to the privileges of electors, shall be paid ten dollars per day for each day actually spent in the discharge of said duties, which said sum shall be in full payment for the time actually spent in the discharge of said duties, and for any expense for meals incurred while so employed.

SEC. 3. This ordinance shall take effect from and after the first Monday of June, 1903.

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SEC. 4. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, March 24, 1903.

AN ORDINANCE RELATING TO AN INCREASE OF SALARY OF SUPERINTENDENT OF STREETS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. From and after April 1, 1903, the salary of the Superintendent of Streets shall be twenty-five hundred dollars ($2,500) per annum, in addition to an allowance of four hundred dollars ($400) per year for horse hire.

SEC. 2. So much of Section 3 of Chapter V of the Revised Ordinances of 1898 as is inconsistent herewith, and all other acts and parts of acts inconsistent herewith, are hereby repealed.

Approved, March 24, 1903.

AN ORDINANCE TO REGULATE THE LAYING OF PRIVATE DRAINS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. From and after the first day of May, 1903, no person shall make any connection with the public sewers, or lay any drain to be connected with said sewers, or open any street or public way for the purpose of laying or repairing any sewer or drain in connection with said sewers, unless he shall be licensed as a drain layer as provided hereinafter.

SEC. 2. The Board of Street Commissioners may license as a drain layer any person believed by them to be entirely suitable and competent, who shall apply to them on forms provided for the purpose, and shall comply with the conditions governing said license. All licenses shall expire on the 31st

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day of December next following their date of issue unless sooner revoked.

SEC. 3. Every person making application for a license as a drain layer must file with the Board of Street Commissioners a satisfactory bond of a surety company authorized to do business in the City of Hartford, in the sum of two thousand dollars ($2,000), conditioned substantially that the applicant shall indemnify and save harmless the City of Hartford and said Board and its agents from all suits and actions of every name and description brought against said City, or any officers of said City, for or on account of any injuries or damages received or sustained by any person in consequence of or resulting from any work performed by said applicant, his servants or agents, or of or from any negligence in guarding said work, or of or from any act or omission of said applicant, his servants or agents; that said applicant shall faithfully perform said work in all respects, and shall also replace and restore that portion of any street in which said applicant, his servants or agents, shall make any excavation, to as good condition as that in which the same was before said work was performed, and shall also keep and maintain such street in like good condition to the satisfaction of the Superintendent of Streets for the period of not less than six months; and that said Superintendent may within said period, and with or without notice to said applicant, repair such street, and that the cost thereof shall be paid within thirty (30) days by said applicant; and that said applicant shall comply in all respects with the rules and regulations established by the Board of Street Commissioners relative to such work, and with the terms of the permits that may be issued to him, and shall also pay all fines imposed upon him for violation of any such rule or regulation.

He shall state in his application his actual place of business, together with the name under which the business is done, and shall notify the City Engineer of any change in either thereafter. He shall give personal attention to the work done under his license, and shall employ thereon none but competent men.

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SEC. 4. No licensed drain layer shall make any opening in a public street until he shall have applied for and secured from the City Engineer a permit for doing said work. Applications must be made on forms provided for the purpose, and signed by the drain layer or his authorized agent. They shall specify the ownership and location of the property to be drained, and the location of the sewer connection, and shall contain an agreement to be signed by the drain layer that he will do the contemplated work in accordance with the ordinance and the rules of the Board of Street Commissioners; will properly restore and maintain the street surface disturbed for a period of six months (in which period the winter months, December, January, and February, shall not be reckoned), or if not kept in condition satisfactory to the Superintendent of Streets, will pay all costs of repairs thereto which may be made by said Superintendent; and will indemnify and save harmless the City of Hartford from all damages caused by his acts or omissions while acting under the permit applied for. The permit must be on the ground during the continuance of the work and must be shown to all authorized persons.

SEC. 5. The City Engineer, or his authorized agents, shall locate and supervise the construction of all sewers and drains laid under the provision of this ordinance from their connection with the main sewer or curb line to that of the plumbing approved by the Board of Health in the structure drained; shall give line and grade therefor on the ground, and shall keep on file in his office an accurate record of all work done under the provisions of this ordinance.

SEC. 6. The Board of Street Commissioners are authorized and empowered to adopt from time to time such rules, regulations, and specifications for the conduct of the work provided for by this ordinance as they may deem for the best interests of the City of Hartford.

SEC, 7. Whenever, in the opinion of the City Engineer, or his authorized agents, any licensed drain layer violates any of

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the provisions of this ordinance or of the rules, regulations, and specifications adopted by the Board of Street Commissioners, the City Engineer shall report the same to said Board, and if the said Board shall find that the charges are well founded they may revoke the license of such drain layer.

SEC. 8. Any person who shall violate any provision of this ordinance shall, upon conviction, be fined not less than five (5) nor more than twenty (20) dollars for each offense, and every twenty-four hours continuance of such violation shall be deemed a separate offense; and such person upon second or subsequent conviction for the same offense shall be punished by a fine of not less than ten (10) nor more than twenty (20) dollars.

Approved, March 24, 1903.

AN ORDINANCE RELATING TO THE SALE OF CHARCOAL.

Be it ordained by the Court of Common Council of the City of Hartford:

Section 8 of Chapter II of the Revised Ordinances is hereby amended to read as follows:

"SEC. 8. There shall be provided by the City and kept under the superintendence of the Sealer of Weights and Measures as many sealed baskets as he shall think necessary for the measuring of charcoal, each of which, even full, shall hold three bushels, and all charcoal brought into this City and sold shall be measured in one or more of said baskets; *provided*, however, that charcoal may be retailed within the limits of the City of Hartford in bags containing one-half bushel. Any person who shall sell any charcoal brought into this City as aforesaid, contrary to the provisions of this section, shall be fined not less than one (1) nor more than five (5) dollars for each and every offense."

Approved, March 24, 1903.

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ERECTION OF BUILDINGS.

Plates, illustrating the Building Ordinance, approved June 29, 1895, can be seen in the Municipal Register for 1896, or in the office of the Building Inspector at the City Hall; and are also on file in the office of the Town Clerk, at the Halls of Record.

AN AMENDED ORDINANCE RELATING TO COMPENSATION OF ADDITIONAL CLERK FOR CITY COLLECTOR.

Be it ordained by the Court of Common Council of the City of Hartford:

That Section 2 of an ordinance approved November 29, 1898, relating to compensation of an additional clerk for the City Collector, be amended by striking out the words "one thousand" in the second line of said section, and inserting in lieu thereof the words "twelve hundred," so that said section, as amended, shall read as follows:

"SEC. 2. The compensation of such additional clerk shall be at the rate of twelve hundred dollars a year for such portions of each year as he may be employed by said Collector."

Approved, September 15, 1903.

AN ORDINANCE AMENDING AN ORDINANCE RELATING TO PUBLIC CARRIAGES.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Every hack, omnibus, cab, coach, chariot, barouche, express or baggage wagon, or any other vehicle, whether on wheels or runners, and drawn or propelled by animal power, which shall stand on the public stands established by the City of Hartford waiting to be hired or engaged, or for the purpose of soliciting persons or baggage to be conveyed from place to place within said City, shall be deemed a public carriage within the meaning of this ordinance. No such vehicle shall carry or transport passengers or baggage for hire as aforesaid, nor

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shall any person or persons solicit or receive passengers or baggage to be carried or transported as aforesaid, unless duly licensed according to the provisions of the ordinances relating to public carriages.

SEC. 2. The prices or rates of fares to be taken by and paid to persons licensed to carry passengers and baggage may be not to exceed the following, viz.:

For carrying one person to or from any place within the following limits: Beginning at the Connecticut River and running thence westerly on a line with the north line of Pavilion to the west line of Garden Street; thence southerly down Garden Street to the north line of Collins Street; thence westerly along Collins Street to the west line of Sigourney Street; thence southerly down Sigourney Street to Summit Street; thence through Summit Street to the south line of Jefferson Street; thence easterly through Jefferson and Wyllys Streets to the Connecticut River, and including both sides of all said streets, to or from any other place within said limits, 50 cents; for two persons, 75 cents; three persons, $1.00; four persons, $1.25.

For conveying one person to or from any place within the aforesaid limits to or from any other place beyond said limits and within the limits of the City, 75 cents; two persons, $1.00; three persons, $1.25; four persons, $1.50.

Children under four years of age, when carried in company with an adult person, free; and between the ages of four and twelve years, half price.

Between the hours of 12 o'clock at night and 6 o'clock in the morning twice the above rates may be charged.

For the use of a public carriage by the hour for driving, $1.50 may be charged; and for the use of a public carriage by the hour for shopping or calling, $1.50 may be charged for the first hour and $1.00 for each succeeding hour, and at the same rate for fractions of an hour.

For the use of a public sleigh by the hour $2.00 may be charged for the first hour and $1.00 for each succeeding hour, and at the same rate for fractions of an hour.

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For weddings and parties, $3.00; for funerals, $2.50.

Passengers in any vehicle for the conveyance of passengers for hire shall be allowed to have conveyed upon said vehicle without extra charge their ordinary baggage, not exceeding, however, one trunk and ordinary small baggage, or 100 pounds of general baggage; for each additional trunk or equivalent baggage there may be charged an additional 25 cents.

SEC. 3. The card specified in Section 7 of Chapter XVIII of the Revised Ordinances of the City shall be in the form following:

Passenger and Baggage License No. ..... C. D., Licensee.

LEGAL PASSENGER FARES.

One person to or from any place within the following limits, viz.: Beginning at the Connecticut River and running thence westerly on a line with the north line of Pavilion Street to the west line of Garden Street; thence southerly down Garden Street to the north line of Collins Street; thence westerly along Collins Street to the west line of Sigourney Street; thence southerly down Sigourney Street to Summit Street; thence through Summit Street to the south line of Jefferson Street; thence easterly through Jefferson and Wyllys Streets to the Connecticut River, and including both sides of all said streets, and to or from any other place within said limits, 50 cents.

One passenger to or from any place within said limits to or from any other place beyond said limits, and within the City, 75 cents.

For each extra person carried from any point to any other point within the City, 25 cents.

Passengers in any carriage may have carried, without extra charge, their ordinary baggage, not exceeding one trunk or ordinary small baggage, or 100 pounds of general baggage; for each extra trunk or equivalent baggage, 25 cents.

Children under four years of age in company with an adult, free, and between the ages of four and twelve years, half price.

Fare between 12 o'clock at night and 6 o'clock in the morning, double the above rates.

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Public carriage by the hour for driving, $1.50.

Public carriage for shopping, first hour, $1.50; $1.00 for each succeeding hour or fraction.

Public sleigh, first hour, $2.00, and for each succeeding hour or fraction, $1.00.

Weddings and parties, $3.00.

Funerals, $2.50.

SEC. 4. Sections 1, 14, and 15 of Chapter XVIII of the Revised Ordinances of the City, and all other ordinances inconsistent herewith, are repealed.

Approved, November 24, 1903.

AN ORDINANCE CONCERNING PAY OF SUPERNUMERARY POLICEMEN.

Be it ordained by the Court of Common Council of the City of Hartford:

That all moneys received by the Treasurer of the City of Hartford for services rendered by members of the police force, under the provisions of Chapter IX, Sections 10 and 11, of the Revised Ordinances, be and the same are hereby constituted a special fund for the payment of all supernumerary policemen rendering special services as provided in said sections; and all the moneys hereafter and from time to time so received by said Treasurer be and the same are hereby appropriated to the Police Department for the pay of its members so employed, in the same manner as is provided in Section 12 of said Chapter IX of the Revised Ordinances.

Approved, January 26, 1904.

AN ORDINANCE CONCERNING WITNESS FEES IN THE POLICE COURT.

Be it ordained by the Court of Common Council of the City of Hartford:

Chapter II of the Revised Ordinances is amended by adding the following section thereto:

All witness fees due witnesses for attendance at the Police

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Court of the City of Hartford, which shall remain unclaimed three (3) months after the day the same shall have become due and payable, shall be and become the property of the City of Hartford.

Approved, January 26, 1904.

AN ORDINANCE RELATING TO CITY WEIGHERS.

Be it ordained by the Court of Common Council of the City of Hartford:

Section 7 of Chapter II of the Revised Ordinances is amended to read as follows:

SECTION 1. The Court of Common Council shall appoint City Weighers, each one of whom shall give bond with surety in the sum of one hundred dollars, payable to the city.

SEC. 2. Every resolution for the appointment of a City Weigher shall be referred to the Sealer of Weights and Measures, who shall report to said Common Council as to the fitness of the person to be appointed, unless said resolution shall have already received the approval of said Sealer of Weights and Measures endorsed thereon; and no certificate shall be issued of the appointment of any person as a City Weigher until his bond, as above provided, shall have been approved.

SEC. 3. All anthracite or bituminous coal brought to and sold in this City shall be weighed by one of said Weighers, who shall give a certificate of the weight of same, signed by him, which shall be delivered to the purchaser at the time of sale.

Whenever any coal shall fall short of the weight specified in the certificate, such deficiency shall be paid for by the Weigher who gave the same to the purchaser on demand, and said Weigher shall be fined ten dollars for each offense.

Every person who shall sell any anthracite or bituminous coal without having the same weighed as aforesaid, or shall sell the same without delivering a certificate of the weight thereof as

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aforesaid to the purchaser at the time of such sale, shall be fined not exceeding ten dollars for each offense.

Approved, January 26, 1904.

AMENDMENT TO EXISTING ORDINANCE RELATING TO OFFICERS OF THE FIRE DEPARTMENT AND CREATING THE OFFICE OF DEPUTY CHIEF ENGINEER AND PERMANENT SUBSTITUTES.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That the first paragraph of Section 7, Chapter VIII, of the Revised Ordinances of the City of Hartford, be amended to read as follows:

The Fire Department shall consist of one chief engineer, one deputy chief engineer, one electrical inspector, one assistant electrical inspector, one lineman, and six substitutes, all of whom shall be permanent men, and two assistant engineers, who shall be call men. These officers shall be appointed and paid, except where expressly provided otherwise, pursuant to existing ordinances, and shall perform the duties prescribed therein.

SEC. 2. The salary of the deputy chief engineer shall be $1,200 a year, and he shall be the immediate subordinate of the chief engineer, and in case of his absence or disability shall act in his stead and exercise all the powers of the chief engineer.

SEC. 3. Section 14 of said Chapter VIII is amended to read as follows:

In case of the absence or the disability of both the chief engineer and the deputy chief engineer, an assistant engineer shall have the power and perform the duties of chief engineer.

SEC. 4. Section 20 of said Chapter VIII is amended so that it shall read as follows:

The chief engineer shall designate the assistant engineers as first and second assistant engineers; and the seniority of said

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assistant engineers shall be determined by the number which said assistant engineer bears.

SEC. 5. Section 21 of said Chapter VIII is amended by striking out in the second and eleventh lines thereof the words, "the senior assistant engineer present," and by inserting in lieu thereof the words, "the senior officer of the Fire Department present."

SEC. 6. The ordinance relating to the pay of firemen, approved February 25, 1903, is amended by inserting in each of the first four sections thereof, after the words, "stoker in the permanent employment of the Fire Department of the City," the words, "permanent substitutes."

Approved, February 27, 1904.

AN ORDINANCE DEFINING THE DUTIES OF THE CITY AUDITOR.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. From and after April 1, 1904, the City Auditor shall keep such books and accounts as will enable him to classify the expenditures of the various departments and officials, to the end that each item shall be charged against the amount set apart for the specific purpose for which the expenditure was incurred as appropriated by the Common Council on recommendation of the Ways and Means Committee.

SEC. 2. The Auditing Committee shall approve no bill or expenditure from any department or official unless the appropriation made by the Common Council to such department or official shall show a sufficient balance to the credit of the specific fund set apart for the purpose for which the bill or expenditure was incurred, except as hereinafter provided.

SEC. 3. When any department or official wishes to have made a transfer of funds appropriated for a specific purpose in order that said funds may be used for another purpose, said department or official, before incurring any expenditure against said

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fund to be transferred, shall make application to the Ways and Means Committee of the Common Council, whose duty it shall be to examine into the matter, and upon the approval of said Ways and Means Committee said transfer may be made.

Approved, March 28, 1904.

AN ORDINANCE RELATING TO THE REMOVAL OF RUBBISH, ASHES, ETC.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. On and after the first day of April, 1904, no waste paper, old clothing, bedding, ashes, dirt, store and sidewalk sweepings, vegetable or animal matter or refuse or rubbish of any kind, shall be thrown or placed on any street or sidewalk in the City of Hartford, but the same shall be placed in suitable vessels and shall be removed in the manner provided in the succeeding section. All waste paper, old clothing, bedding, and refuse or rubbish of a like nature, shall be fastened together securely by tying or otherwise, and placed in suitable vessels, and shall be kept separate from all ashes, store and sidewalk sweepings, dirt, vegetable or animal matter or like refuse, which shall be placed together in other suitable vessels.

SEC. 2. It shall be the duty of the Board of Street Commissioners to remove such waste paper, old clothing, bedding, ashes, dirt, store and sidewalk sweepings, vegetable or animal matter or refuse or rubbish so put and deposited, free of expense to the parties depositing them, whenever it shall be necessary and proper for the same to be removed, and said waste paper, old clothing, bedding and refuse of a like nature, shall be collected and removed separately from said ashes, store and sidewalk sweepings, dirt, vegetable or animal matter or like refuse. Said vessels for the reception of such refuse and garbage and carts for removing the same shall be so constructed as to prevent the contents from being blown and spilled upon any street or sidewalk.

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SEC. 3. The word "rubbish," as used in Sections 1 and 2 of this ordinance, shall be construed to mean and include all waste papers, leaves of trees, small branches or twigs of trees, and cut or waste grass.

SEC. 4. The last paragraph of Section 2 of Chapter XX of the Revised Ordinances of 1898, the ordinance approved May 24, 1898, the ordinance approved June 26, 1900, relating to the removal of rubbish, and all other ordinances and parts of ordinances inconsistent herewith, are hereby repealed.

SEC. 5. The violation of any of the provisions of Section 1 of this ordinance shall be deemed a nuisance, and any person who shall violate said ordinance and commit said act of nuisance shall be subject to the same penalties as are prescribed in Section 3 of Chapter XX of the Revised Ordinances of 1898.

Approved, March 28, 1904.

AN ORDINANCE RELATING TO THEATERS AND ASSEMBLY HALLS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Section 30 of Chapter XIV of the Revised Ordinances of the City of Hartford is amended to read as follows:

THEATERS.

Every building intended to be used for theatrical or operatic or other such purposes hereafter built shall have a frontage as wide as the widest part of the auditorium or assembly hall, including side passages or lobbies, the whole width and height of which frontage shall be upon a street, court, passageway, or area at least 30 feet wide opposite the entire frontage. Such court, passageway, or area shall have an unobstructed way at least 30 feet wide to the public street.

Exits. — There shall be at least one exit on this front, which shall be in no case less than five feet in width, and of such greater width in proportion with the seating capacity of the hall as an

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allowance of twenty inches for each one hundred persons will in the aggregate require. There shall be other independent exits of the same aggregate capacity. There shall be open courts on the sides not less than ten feet wide, with an exit or corridor from the court to the street. All rooms in theaters for the use of persons employed therein shall have two independent exits. All doors shall open outwards, and shall not be placed to reduce the passages above required. Every exit shall have over the same, on the inside, the words " This Way Out," in legible letters not less than four inches high. Plans showing the exits and stairways shall be printed on every program or play bill. All exits from the building shall be open at the beginning of every performance and whenever necessary, and shall have fastenings on the inside only.

Aisles. — All aisles, stairways, and passageways shall be of an even or increasing width towards the exit, with a ceiling at least eight feet high throughout, without obstructions, properly arranged for the easy exit of the audience as computed by the above rule. The minimum width of aisles shall be two feet eight inches at the end near the stage, and not less than three feet at the other end. There shall be a parallel aisle with a minimum width of three feet. Every aisle shall lead directly to an exit.

No aisle or passage in such buildings, rising towards the exits, except stairs from story and necessary steps in galleries and balconies, shall have a gradient within the auditorium of more than two in ten, or elsewhere of more than one in ten.

Stairs. — The cut of stairs stringers shall not exceed seven and one-half inch rise, nor less than ten inch tread. No winders shall be less than seven inches wide at the narrowest part. There shall be no flights of more than fifteen or less than three steps between landings. Every landing shall be at least four feet wide from step to step. All stairs and landings shall have hand rails on both sides, firmly secured to walls or to strong posts and balusters. Stairways twelve feet wide or more shall have one or more intermediate rails properly supported. There shall be balconies no less than four feet in width in said open court or

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courts (or street when the building borders on a street) at each level or tier above the parquet, on each side of the auditorium, of sufficient length to embrace two exits, and from said balconies there shall be staircases extending to the ground level, with a rise of not more than eight and one-half inches to a step, and not less than a nine inch tread, exclusive of nosing. The staircase, from the upper balcony to the next below, shall not be less than thirty inches in width in the clear, and from the first balcony to the ground three feet in the clear, where the seating capacity of the auditorium is 1,500 or less, and three feet six inches where the seating capacity is not more than 2,000 people. All the above balconies and staircases shall be constructed of iron throughout, including the floors, and of ample strength to sustain the load to be carried by them, and they shall be covered with a metal hood or awning, to be constructed as shall be directed by the inspector.

Seats. — All seats in the auditorium, except those contained in boxes, shall be firmly secured to the floor, and no seat in the auditorium shall have more than six seats intervening between it and an aisle on the other side. All groups of seats shall be so arranged that there shall be an aisle at each side of each group, and no group or bank of seats in the auditorium shall have more than fifteen rows of seats unless divided by parallel aisle the full width of house. In balconies and galleries no group or bank of seats shall have more than nine rows of seats unless divided by a parallel aisle running the full width of said balconies and galleries. No temporary seats or other obstruction shall be allowed in any aisle, passageway, or stairway, and no person shall be allowed to remain in any aisle or stairway during any performance.

Lights, Etc. — The lights for the rear of auditorium, and for all passages and stairways of exits, shall be independent of the lights of the rest of the auditorium, and of the platform or stage, and shall be so arranged that they cannot be turned down or off from the platform or stage. If electricity is used for lighting there shall be provided suitable arrangements for properly lighting gas jets in case of failure of the electric current, or such other

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suitable device for such emergency as shall be approved by the inspector. All stage and dressing room gas lights shall be protected by proper nettings.

Stage and Proscenium Arch. — The stage shall be separated from the auditorium by a brick wall sixteen inches thick, which shall extend the full width and height of building, and two and one-half feet above the highest roof. The top of said wall is to be covered with coping or some fireproof material, like a party wall. There shall be no opening through this wall, except the curtain opening, and not more than two others, which shall be at or below the level of the stage; these latter openings shall not exceed twenty-one square feet each, and shall have fireproof self-closing doors securely hung to the brick wall. The proscenium opening shall be spanned by an iron girder, covered with fireproof material to protect it from heat in case of fire, with a relieving arch over the same, the intervening space to be filled with brick the full thickness of wall. No fixed portion of the stage, except the floor, shall be of wood. All carpenter or property shops and wardrobes shall be separated from the stage, auditorium, and dressing-rooms by solid brick walls, with no opening to the auditorium or dressing-room divisions, and shall have fireproof self-closing doors, securely hung to the brickwork. The finish or decorative features around curtain openings shall be of fireproof material, well secured to masonry. All the scenery, curtains, and woodwork of the stage shall be thoroughly covered with a fireproof material. Wire or metallic lathing shall be used throughout the building for plastering. There shall be ample passageways adjoining each division of the auditorium.

Curtain. — The proscenium or curtain opening shall have a fireproof curtain reinforced by wire netting, or otherwise strengthened. If of iron or similar heavy material, and made to lower from the top, it shall be so contrived as to be stopped securely at a height of seven feet above the stage floor. Such curtain shall be raised at the beginning and lowered at the end of each and every performance, and shall be operated by approved machinery

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for that purpose, and the curtain shall be at least three feet distant from the footlights at the nearest point.

Ventilators. — There shall be one or more ventilators near the center and above the highest portion of the stage, equal in combined area of opening to one-tenth of the area of stage floor. Every such ventilator shall have a valve or lever so counterbalanced as to open automatically, and shall be kept closed when not in use by a cord accessible from the stage. Such cord shall be of combustible material, and so arranged that if it is severed the ventilator will open automatically.

Stand Pipe, Sprinklers, and Extinguishers. — There shall be at least one two-inch high service stand pipe on each side of stage and to each fly-loft, each to be provided with a nozzle and a sufficient length of A1 hose to reach the opposite wall two feet above stage level and above the floor of fly-lofts. The said pipes shall have two gates, one above the other, with a proper test or waste valve, the lower gate to be kept open at all times. The proscenium opening shall be provided with a two and one-half inch perforated iron pipe, or equivalent of automatic or open sprinklers, as inspector may direct, so constructed as to form when in operation a complete water curtain for the entire proscenium opening. Automatic sprinklers shall be installed both over and under stage. Fire extinguishers of sufficient size and approved design shall be installed at each corner of the auditorium, balcony, and gallery floors.

Assembly Halls. — In every building hereafter so built or altered as to contain an audience or assembly hall capable of holding 800 persons or more, and used for theatrical purposes, such audience or assembly hall shall be on the first floor of such building; if capable of holding not more than 400 persons, it shall not be above the second floor; if capable of holding not more than 200 persons, it shall not be above the third floor. No assembly hall shall be above the third floor in any building. The audience hall, and each gallery of every such building, shall have at least two independent exits, so placed as to provide for the safest possible egress, and one of the above exits shall be fireproof.

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Every such exit shall have a width of at least twenty inches for every 100 persons which the hall and galleries from which it leads is capable of containing. None of the exits above required shall be less than five feet in width. There shall be stand pipes, sprinklers, and extinguishers in all such halls and galleries as specified for theaters as far as conditions may concur with same.

SEC. 2. The owner or manager of any theater or opera house shall be required to have in attendance at every public performance or gathering either a regular or a supernumerary member of the city police force or a regular supernumerary member of the city fire department, who shall, before the opening of such theater or opera house, see that all exits are unlocked and all fire escapes are ready for immediate use, and that said exits remain unlocked and said fire escapes be ready for immediate use during the entire performance or gatherings. Said policeman or fireman shall render a report in writing to the chief of the fire department upon the day succeeding each performance or gathering, or upon the next Monday when such succeeding day falls upon Sunday, certifying whether these instructions were carried out in detail. Each day that the provisions of this section shall not be complied with on the part of said owner or manager shall constitute a separate offense.

SEC. 3. The Building Inspector or Fire Marshal is hereby empowered, whenever in his judgment occasion may require, to enter into and upon any building used as a theater or assembly hall, and shall order such alterations to be made as he shall deem necessary to promote the security of the public from fire and panic. It shall be his duty to see that all ordinances in relation to the public safety in theaters and assembly halls are enforced, and he shall regulate or prohibit the use of scenery and inflammable materials deemed by him to be dangerous. Notice of such orders shall be given and appeals therefrom may be taken in the same manner as is provided in Sections 4 and 6 of Chapter XIV of the Revised Ordinances, but no appeal shall operate to suspend any order of the Building Inspector or Fire Marshal regulating or

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prohibiting the use of inflammable materials or scenery deemed by him to be dangerous.

SEC. 4. If any person shall violate any provision of this ordinance or wilfully disobey any written order of the Building Inspector as aforesaid, unless the same shall have been set aside or modified by the City Court on appeal, or by the Board of Arbitrators on an appeal, or any order or decree of either said Court or said Board of Arbitrators, made by either on an appeal as aforesaid, he shall be guilty of a misdemeanor, and may be punished on conviction thereof by a fine of not more than two hundred dollars; but if any person shall violate any order which by the terms of this ordinance is not suspended by an appeal, he shall be liable to the penalties imposed by this section.

Approved, May 24, 1904.

AN ORDINANCE CONCERNING CITY PRINTING.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. All contracts for municipal printing and bookbinding made by the Court of Common Council through its Printing Committee, which shall provide for the expenditure of three hundred dollars or more, shall, after public advertisement setting forth that no bids will be received except from local bidders and only upon the condition that all the work covered by the contract shall be done within the City of Hartford, be let to the lowest responsible bidder upon the terms and conditions set forth in such advertisement.

SEC. 2. Except with the consent of the Court of Common Council, expressed in a resolution duly passed for that purpose, no such contract shall be let nor any part thereof sublet, except upon the terms and conditions set forth in Section 1.

Approved, May 24, 1904.

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AN ORDINANCE AMENDING AN ORDINANCE DEFINING A VERANDA LINE.

Be it ordained by the Court of Common Council of the City of Hartford:

That Section 2 of an ordinance relating to building and veranda lines, approved March 28, 1899, be amended so as to read as follows:

"Veranda line shall mean a line beyond which no part of the veranda shall be built, except that entrance steps may be built beyond this line, provided that the veranda floor proper is not over four feet in height above the grade, that no steps shall be over 14 inches wide, and that said entrance steps do not encroach upon the street line."

Approved, May 24, 1904.

AN ORDINANCE RELATING TO THE BOARD OF CHARITY COMMISSIONERS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The Board of Charity Commissioners may appoint and employ:

One superintendent, one clerk, one city physician, one investigator, one steward, one supervisor, one pharmacist, one hospital steward, one matron, one assistant matron, one engineer, one night engineer and watchman, one inmates' cook, one officers' cook, one infirmary cook, two maids, one head nurse, three nurses, one barn man, one laundress.

SEC. 2. The salaries and compensation of the officers and employees of said Board shall be such amount as shall be fixed from time to time by the Board, not exceeding the following:

Superintendent, $2,000; clerk, $1,650; city physician, $1,200; investigator, $1,350; steward, $700; supervisor, $650; pharmacist, $540; hospital steward, $300; matron, $360; assistant matron, $300; engineer, $780; night engineer and watchman, $780; in-

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mates' cook, $360; officers' cook, $360; infirmary cook, $360; two maids, at $20 per month each, $480; head nurse, $600; three nurses, at $35 per month each, $1,260; barn man, $360; laundress, $300.

SEC. 3. In addition to the salaries and compensation above provided, the Board may board such of its officers and employees as it may require to reside permanently at the almshouse.

SEC. 4. All ordinances and parts of ordinances, and all votes and resolutions, so far as inconsistent herewith, are hereby repealed.

Approved, June 14, 1904.

AN ORDINANCE AUTHORIZING THE EMPLOYMENT OF A CLERK IN THE OFFICE OF THE REGISTRARS OF ELECTORS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The Registrars of Electors are hereby authorized to appoint a clerk at a compensation not exceeding $400 per annum.

SEC. 2. No additional appropriation shall be made for the compensation of said clerk during the balance of the current year, but the same shall be paid out of funds now appropriated for the use of said Registrars of Electors.

Approved, August 30, 1904.

AN ORDINANCE FIXING AMOUNT OF BOND FOR CITY MARSHAL.

Be it ordained by the Court of Common Council of the City of Hartford:

That Section 2 of Chapter III of the Revised Ordinances of said City shall be amended by striking out therefrom the words "of the City Marshal three thousand dollars," and inserting in lieu thereof the words "of the City Marshal one thousand dollars."

Approved, September 27, 1904.

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AN ORDINANCE AMENDING AN ORDINANCE CREATING A BUILDING INSPECTOR IN THE CITY OF HARTFORD.

Be it ordained by the Court of Common Council of the City of Hartford:

That Section 4 of an Ordinance creating a Building Inspector of the City of Hartford be and hereby is amended by omitting the five words " undergoing alterations or being erected " to read as follows:

It shall be the duty of said inspector to examine the condition of all buildings within the City limits, and to serve notice in writing upon the builders, owners, or architects of said structures as he deems to be unsafe or insecure by reason of the mode or manner of construction or the materials used in the construction thereof; and shall order such changes in the mode or manner of construction and the materials used as he shall deem necessary for public safety.

Approved, September 27, 1904.

AN ORDINANCE IN REFERENCE TO THE DUTIES OF THE CITY TREASURER AND CITY AUDITOR.

Be it ordained by the Court of Common Council of the City of Hartford:

That Sections 1 and 2 of Chapter VI of the Revised Ordinances of 1898 be amended to read as follows:

SECTION 1. No money, except on account of trust and park funds and for the payment of notes, scrip, or certificates of debt of the City, or of interest on same, shall be paid from the City treasury except on the written order of the Auditor of City accounts specifying the classification of the claim or account for which said order is drawn.

SEC. 1A. No order shall be drawn or shall be valid without a previous vote of the Court of Common Council authorizing the same and evidenced by a certified copy thereof under the hand of the City Clerk or Assistant Clerk, except as follows:

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(1) Moneys payable by the City Treasurer or from the City treasury under the authority of State statutes.

(2) Moneys due from the City on claims evidenced by judgment of competent court.

(3) Salaries of officers and employees fixed by the charter and ordinances.

(4) Moneys annually appropriated by the Court of Common Council on recommendation of its Committee on Ways and Means for the following purposes: Vacation schools, public library, and teachers and employees of high, evening, and manual training schools, public bath employees, and pay roll of employees of the Board of Street Commissioners.

SEC. 2. The Auditor shall close his accounts for each fiscal year on the 31st day of March, and shall present the same to the Mayor and forward it to the Court of Common Council, with the report of the City Treasurer, and shall keep the same in such mode of classification as to show receipts and expenses of each department of the City Government, including the receipts and expenses of each court in said City.

SEC. 2A. The Auditor shall receive from the City Clerk or other authority, and file and safely keep in his office, all bills, claims, accounts, receipts, and vouchers, together with certified copies of all resolutions of the Court of Common Council appropriating money or ordering the payment thereof. He shall be *ex officio* chairman of the Auditing Committee of the Court of Common Council, which shall consist of two members besides such Auditor, one of whom shall be appointed by the Board of Aldermen from their own number, and one by the Common Council from their own number, to hold office respectively during the pleasure of the Board appointing them. All bills, accounts, or claims against the City, except those specially excepted in Section 2 hereof, shall be presented or referred to such committee for their approval or disapproval before the same shall be approved by the Court of Common Council, unless both branches of said court concur in dispensing with such reference. And it

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shall be the duty of such Auditing Committee faithfully to examine all accounts, bills, or claims so referred to them, and faithfully to report any informality or improper charge by them detected to the Court of Common Council, and also to note their approval or disapproval of any such account upon the same.

SEC. 2B. It shall be the duty of the Auditor to provide himself with such list of officers or stated employees of the City in the various departments of its business as will enable him to examine thoroughly all claims, accounts, or exhibits presented to the Court of Common Council on their behalf.

SEC. 2C. In case of the temporary illness, absence, or disability of the Auditor, the Court of Common Council may appoint a deputy auditor for the time being, whose acts in conformity with the vote of said court shall be valid and obligatory.

Approved, October 25, 1904.

AN ORDINANCE AMENDING AN ORDINANCE RELATING TO RENT MONEYS DUE THE CITY, AND THE COLLECTION OF THE SAME.

Be it ordained by the Court of Common Council of the City of Hartford:

Chapter XIX of the Revised Ordinances is hereby amended by the addition of the following, to be designated as Section 5:

"SEC. 5. All moneys now due, or which may hereafter become due the City as rent for the occupancy or use of any lands, buildings, wharfage, or riparian rights, or parts thereof (except such as may be specifically in charge of a City Commission), shall be payable to the City Collector. And the City Collector is hereby authorized and instructed to receive said rent moneys and to enforce the collection of the same. And he shall keep a record thereof, and shall pay said moneys over to the City Treasurer in the same manner as is provided in the collection of City taxes.

"Said collector shall not be entitled to any additional compensation for performing the duties prescribed by this ordinance."

Approved, October 25, 1904.

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AN ORDINANCE FIXING SALARIES OF CERTAIN EMPLOYEES OF THE HEALTH DEPARTMENT.

Be it ordained by the Court of Common Council of the City of Hartford:

That Section 8 of Chapter V of the Revised Ordinances of 1898 be amended by adding thereto the words and figures following, to wit:

"Sanitary inspector, $1,500 per year.

"Assistant sanitary inspector, $1,000 per year.

"Plumbing inspector, $1,200 per year.

"Assistant clerk, $900 per year.

"Bacteriologist, $1,000 per year.

"Three medical inspectors, $600 each per year."

Approved, October 25, 1904.

AN ORDINANCE FIXING SALARY OF MAYOR'S STENOGRAPHER.

Be it ordained by the Court of Common Council of the City of Hartford:

That Section 1 of Chapter V of the Revised Ordinances of 1888 be amended by adding to the section the words and figures following, to wit: "Mayor's stenographer, $416 per year."

Approved, October 25, 1904.

AN ORDINANCE PROVIDING A FORCE FOR NO. 12 ENGINE HOUSE.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That the Board of Fire Commissioners be and are hereby authorized and instructed to employ as a force for No. 12 Engine House five permanent men and six call men.

SEC. 2. Said force shall be made up and consist as follows: One foreman, who shall also be a pipe-man, one engineer, one engine-driver, one hose-driver, and one additional pipe-man, all of

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whom shall be permanent men; also three bunkers and three hosemen who shall be call men.

SEC. 3. The compensation of the members of said force shall be the same as is now provided for by ordinance.

Approved, Nov. 15, 1904.

AN ORDINANCE CONCERNING STOKERS FOR FIRE DEPARTMENT.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Paragraph 4 of Section 7 of Chapter VIII of the Revised Ordinances of the City of Hartford is amended to read as follows: "In each of said six Steam Fire Engine Companies there shall also be one stoker who shall be a permanent man."

SEC. 2. Said stoker shall receive the same compensation as is now provided by ordinance.

Approved, January 10, 1905.

AN ORDINANCE CONCERNING THE PURCHASE OF COAL FOR CITY USE.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Every department of the City of Hartford, and every Commission or Committee thereof, including the High School Committee, which uses coal for the carrying on of the work or business of said City or of any such Department, Commission or Committee, shall on or before the 15th day of April in each year make requisition on the Contract Committee of the Court of Common Council for the amount of coal needed by said Department, Commission or Committee for the ensuing year, and said requisition shall state the kind and quality of coal needed and any other necessary information in relation thereto.

SEC. 2. When said Contract Committee of the Court of Common Council has received such requisitions from all of the Departments, Commissions or Committees using coal, said Com-

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mittee shall advertise for bids for the entire amount in the name of the City, and shall submit all bids received, together with any other information they may have relating thereto, to the Court of Common Council, who may instruct said Committee to accept or reject any of said bids, or to advertise for further bids, or to make the purchase in such other way as the Court of Common Council shall determine, and said Contract Committee shall thereupon carry out such instructions.

SEC. 3. No coal for the use of said City or of any Department, Commission or Committee thereof, shall, after the 31st day of March, 1905, be bought or contracted for except in accordance with the provisions hereof; provided, however, that any Department, Commission or Committee, running short of its coal supply during the year, may make its requisition to cover such shortage on said Contract Committee, who shall report the same to the Court of Common Council for such action as they may deem best.

SEC. 4. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, January 10, 1905.

AN ORDINANCE RELATING TO INSPECTOR OF FIREWOOD.

Be it ordained by the Court of Common Council of the City of Hartford:

That Section 25 of Chapter II of the Revised Ordnances is hereby repealed.

Approved, February 28, 1905.

AN ORDINANCE CONCERNING HEALTH BOARD REPORTS.

Be it ordained by the Court of Common Council of the City of Hartford:

Sections 45 and 46 of Chapter XII of the Revised Ordinances of the City of Hartford, adopted March 28, 1898, are hereby amended to read respectively as follows:

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SEC. 45. The Clerk of the Board of Health shall, on the second Monday of each month, prepare and submit to the Court of Common Council a report of the deaths occurring during the preceding month, which report shall exhibit in a tabular form the age, sex, and color of the deceased; shall embrace in distinct classes those under one year of age, those from one to five, those from five to ten, those from ten to twenty, and so on from each decennial period, shall show the rate per cent. of mortality for the City, and contain a summary of the causes of death. On the second Monday of March in each year, said Clerk shall prepare and submit to the Court of Common Council a report of the deaths which have taken place in the City and its several wards during the previous year, showing the age, sex, color, civil condition, occupation and nativity of the deceased, the causes of death, and rate per cent. of mortality, classified in tabular form. If said Clerk shall neglect to submit to the Court of Common Council such monthly report for three days, or such annual report for one week after the time required to file the same, he shall be fined ten dollars for each offense; and if he shall neglect to submit such monthly report for more than three days, or such annual report for more than one week after the time required to file the same, he shall be fined, in addition to the fine of ten dollars, three dollars for each day of such continued neglect.

SEC. 46. Said Clerk shall, on the second Monday of March in each year, submit to the Court of Common Council a record of the births which have taken place within the City and within its several wards during the preceding year, which report shall exhibit in tabular form the rate per cent. of births in the City, the number of each sex born during the year and during each month of the year, the number of still-born, the color of all in each class, and the nativity of the parents.

Approved, March 14, 1905.

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AN ORDINANCE RELATING TO A PERMANENT FORCE FOR ENGINE COMPANY NO. 3 AND ENGINE COMPANY NO. 4.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. There shall be two steam self-propelling fire engine companies, each consisting of the following employees:

1 foreman, 1 engineer, 1 stoker, 1 tillerman, 1 hose driver, and 4 hose men.

SEC. 2. The salaries of said employees shall be as follows:

The foreman and engineer shall each be paid at the rate of $1,200 per year. All other of the above-mentioned employees shall be paid at the rate of $800 for the first year of employment, with an increase of $50 per year thereafter until the sum of $1,000 per year is reached; but nothing herein shall be construed to decrease the pay now received by any member of either of said companies.

SEC. 3. The Board of Fire Commissioners is hereby authorized and instructed to carry this ordinance into effect.

Approved, March 14, 1905.

AN ORDINANCE RELATING TO CERTAIN OFFICERS OF THE FIRE DEPARTMENT.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The officer now known and designated as "Chief Engineer" shall hereafter be known and designated as "Chief of the Fire Department," and all ordinances and laws now relating or applying to said Chief Engineer shall apply with the same force and effect to the Chief of the Fire Department.

SEC. 2. The Board of Fire Commissioners are hereby authorized and instructed to appoint an officer to be known and designated as the "Assistant Chief of the Fire Department," at a compensation of $1,500 per annum, whose tenure of office shall be the same as now provided by law for the Deputy Chief Engineer; and all laws and ordinances now relating or applying

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to the Deputy Chief Engineer shall apply with the same force and effect to the Assistant Chief of the Fire Department.

SEC. 3. Upon the appointment of said Assistant Chief of the Fire Department, the office of Deputy Chief Engineer shall cease and determine.

SEC. 4. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, March 14, 1905.

AN ORDINANCE AMENDING AN ORDINANCE DEFINING A VERANDA LINE.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. "An ordinance amending an ordinance defining a veranda line," approved May 24, 1904, and Section 11 of "An ordinance relating to building and veranda lines," approved March 28, 1899, are hereby repealed, and the following substituted therefor: "Veranda line" shall mean a line between which and the street on which said line is established, no part of a veranda shall be built; except that entrance steps may be built between the street line and the veranda line, provided that the veranda floor proper is not over four feet in height above the grade, that no tread shall be over fourteen inches wide, and that said entrance steps do not encroach upon the street line.

SEC. 2. Section 12 of the ordinance relating to building and veranda lines, approved March 28, 1899, is amended to read as follows: "Building line" shall mean a line between which and the street on which said line is established no part of a building shall be built, except

(a) Open veranda on streets where veranda lines are established with entrance steps as provided for in Section 1.

(b) Entrance steps may be built between the building line and the street line, whether a veranda line has been established on such street or not, provided that the landing is not over four feet in height above the grade, that no tread shall be over four-

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teen inches wide, and that said entrance steps do not encroach upon the street line.

Approved, March 21, 1905.

AN ORDINANCE RELATING TO SALARY OF CLERK OF REGISTRARS OF ELECTORS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That Section 1 of Chapter V of the Revised Ordinances of 1898 be amended by adding to the section the words and figures following, to wit: "Clerk of Registrars of Electors, $400 per year."

SEC. 2. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, March 28, 1905.

AN ORDINANCE RELATING TO THE DIVISION OF THE SEVENTH WARD INTO TWO VOTING DISTRICTS.

Be it ordained by the Court of Common Council of the City of Hartford:

From and after the first Tuesday of April, 1905, the Seventh Ward of the City of Hartford as now established shall be divided into two voting districts, the boundary lines of which shall be as follows: All territory within said ward lying northerly of said division line is hereby created as the "First Voting District" of said ward. All territory within said ward lying southerly of said division line is hereby created the "Second Voting District" of said ward. All electors residing within said first voting district shall vote at future elections held within and for said ward at such voting place established within said district as the Board of Selectmen may from time to time designate; all electors residing in said ward within the limits of said second voting district shall vote at all elections hereafter held within and for said

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ward at such voting place established within said voting district as said Board of Selectmen may from time to time designate.

A Moderator and other election officers shall be appointed the same as in other wards, but the Moderator of the Second Voting District shall make his returns to the Moderator of the First Voting District, who shall combine the two reports and make declaration as of one ward.

FIRST OR NORTH DISTRICT.

Beginning at a point on Main street opposite the center of Charter Oak street; thence easterly through the center of Charter Oak street to the Connecticut River; thence southerly by the Connecticut River to a point opposite the center of Wawarme avenue; thence westerly through the center of Wawarme avenue to the center of Wethersfield avenue; thence northerly through the center of Wethersfield avenue to the center of Annawan street; thence westerly through the center of Annawan street to Franklin avenue; thence southerly through the center of Franklin avenue to the center of Pawtucket street; thence westerly through the center of Pawtucket street to Maple avenue; thence southerly through the center of Maple avenue to the southern boundary line of the Retreat for the Insane; thence westerly along said boundary line to the center of Washington street; thence northerly through the center of Washington street to the center of Park street; thence easterly through the center of Park street to the center of Main street; thence northerly through the center of Main street to the place of beginning.

SECOND OR SOUTH DISTRICT.

Beginning at the point on Washington street opposite the southern boundary line of the Retreat grounds; thence southerly through the center of Washington street to the center of Webster street; thence southerly through the center of Webster street to the center of Maple avenue; thence southerly through the center of Maple avenue to the southern boundary line of the City; thence easterly by said southern boundary line of the City

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to the Connecticut River; thence northerly along said Connecticut River to a point opposite the center of Wawarme avenue; thence westerly through the center of Wawarme avenue to the center of Wethersfield avenue; thence northerly through the center of Wethersfield avenue to the center of Annawan street; thence westerly through the center of Annawan street to the center of Franklin avenue; thence southerly through the center of Franklin avenue to the center of Pawtucket street; thence westerly through the center of Pawtucket street to the center of Maple avenue; thence southerly through the center of Maple avenue to the point opposite the southern boundary line of the Retreat for the Insane; thence westerly by said boundary line of the Retreat for the Insane to the place of beginning.

Approved, March 28, 1905.

AN ORDINANCE RELATING TO SALARIES OF THE RECORDER AND CLERK OF THE CITY COURT.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. From and after June 1, 1905, the salary of the Recorder of the City Court of Hartford shall be at the rate of twenty-five hundred dollars per year.

SEC. 2. From and after June 1, 1905, the salary of the Clerk of the City Court of Hartford shall be at the rate of one thousand dollars per year.

Approved, May 23, 1905.

AN ORDINANCE RELATING TO THE REMOVAL OF BUILDINGS THROUGH STREETS.

Be it ordained by the Court of Common Council of the City of Hartford:

Paragraph second of Section 2 of Chapter XX of the Revised Ordinances of the City of Hartford is hereby amended so as to read as follows:

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"The removal of any building through any street or highway of the City or the permitting of any building in process of removal to remain in any such street or highway without written license of the building inspector and approval of its terms by the Board of Street Commissioners."

Approved, June 13, 1905.

AN ORDINANCE CONCERNING THE FILING OF CONSTABLES' BONDS.

Be it ordained by the Court of Common Council of the City of Hartford.

SECTION 1. The powers and duties relating to the acceptance of surety on constables' bonds and the custody of such bonds, vested in the Selectmen of the Town of Hartford prior to the consolidation act, are hereby vested in the Controller.

SEC. 2. Bonds of such constables shall be payable to the City of Hartford in the sum of one thousand dollars.

Approved, June 13, 1905.

AN ORDINANCE AMENDING AN ORDINANCE RELATING TO THE BOARD OF CHARITY COMMISSIONERS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That section one of an ordinance relating to the Board of Charity Commissioners, approved June 14, 1904, be and the same hereby is amended, as follows:

By striking out the word "three" in the seventh line of said section and inserting in lieu thereof the word "other"; and by adding at the end of section two of said ordinance the words, "and such additional nurses as may be required at a total expense for the same not exceeding one hundred ($100) dollars per month; no such nurses to be paid in excess of thirty-five ($35) dollars a month."

Approved, July 11, 1905.

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ORDINANCE *in re* CITY COLLECTOR.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The collector of the City of Hartford shall keep his office open between the hours of nine (9) o'clock in the forenoon and four (4) o'clock in the afternoon on all ordinary business days, and he shall be there in attendance for the transaction of all business connected with his office at all reasonable times during said hours. He shall devote his entire time to the service of the City during such hours.

SEC. 2. The Collector is hereby authorized to collect and receive the taxes of any school district in the City of Hartford when such district shall have elected the person holding the office of Collector of the City of Hartford as collector of taxes for said school district.

SEC. 3. He shall pay over to the City Treasurer daily before eleven (11) o'clock in the forenoon all City moneys collected by him during the previous business day, and shall take the Treasurer's receipt for the same in duplicate, one copy of which he shall file with the Controller's office forthwith.

SEC. 4. The Collector shall be allowed in full compensation for his services the sum of three thousand six hundred ($3,600.00) dollars per year. The rate of commission or fees for collecting the taxes of any School District shall be such as shall be approved by the Board of Finance of the City of Hartford, and all such commissions or fees shall be deducted from said school taxes by the said City Collector, and by him paid monthly to the City Treasurer.

Approved, September 27, 1905.

AN ORDINANCE RELATING TO THE INSPECTION OF MILK.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Section fourteen of chapter two of the Revised Ordinances of 1898 is hereby amended by striking from the fifth and sixth lines of said section the following: "or the ordinances of the City relative to the inspection of milk."

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SEC. 2. Sections fifteen to twenty-three (inclusive) of chapter two of the Revised Ordinances of 1898 are hereby repealed.

SEC. 3. Section fifteen of chapter five of the Revised Ordinances of 1898 is hereby amended by striking out from the first and second lines of said section the words "inspector of milk."

SEC. 4. It shall be the duty of the board of health commissioners of the City of Hartford through its officers, agents, and employees to inquire into and investigate the quality of milk which may be sold or kept, offered or exposed for sale, within said City, and they shall make or cause to be made such examination and inspection thereof as may be necessary to ascertain whether or not adulterated or impure milk is sold or kept, offered or exposed for sale in said City contrary to the statutes of the State of Connecticut or to the provisions of this ordinance, and shall also report all such violations to the prosecuting attorney for prosecution forthwith.

SEC. 5. Said board of health commissioners shall, by its officers, agents, and employees, for the purpose of the foregoing section, have the power to enter into any store, house, building or yard, and upon any premises within said city where milk is sold or kept, offered or exposed for sale, or where it is believed to be sold or kept, offered or exposed for sale, at any reasonable time, for the purpose of making examinations and inspections as provided in the preceding section, and it shall be lawful for such board of health commissioners, by its officers, agents, and employees, for the purpose of inspection and examination, to stop and detain any team, wagon or vehicle within said city which is used in the sale of milk or for the transportation of milk which is to be sold or kept, offered or exposed for sale, or to be delivered on sale, and to stop and detain any person carrying milk which is to be sold or kept, offered or exposed for sale, or to be delivered on sale.

SEC. 6. Said board of health commissioners by its officers, agents and employees, is hereby empowered to inspect all animals producing such milk, the buildings and places where such animals are kept, the dairy and other places where such milk is kept, handled, sold, or produced, whether the same are within the limits of the City of Hartford or not.

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SEC. 7. Every person who conveys milk in vehicles or otherwise in said City of Hartford, for the purpose of selling the same in said city, or who produces milk within the city limits for the purpose of selling the same within the city limits, shall annually on the first day of April, or within thirty days thereafter, procure a license from the clerk of the board of health commissioners of said city to sell milk within the limits thereof, and shall pay to said clerk for the use of said city the sum of twenty-five cents for every such license. The said clerk of the board of health commissioners shall pay over quarterly to the treasurer of such city all such sums collected by him.

SEC. 8. The licenses herein provided for shall be issued only in the names of the owners of the vehicles by means of which the business is carried on, and shall, for the purpose of this chapter, be conclusive evidence of ownership; and no license shall be sold, assigned or transferred. Every license shall bear its special number and shall state the name, residence and place of business of the licensee; whether or not the milk sold by him is of his own production, and if not, the name of such other producers, and where any and all milk sold by him is produced. Every such license shall also state the number of wagons or other vehicles used by such licensee in his milk business, and the name and residence of every driver engaged in carrying, selling or delivering milk for him.

SEC. 9. Each licensee shall, before engaging in the sale of milk, as aforesaid, cause his name, the number of his license, and his place of business to be placed in legible characters, to the satisfaction of the clerk of the board of health commissioners, in such conspicuous place or places as said clerk of the board of health commissioners may designate, on the outer side or sides of all carriages or vehicles used by him in the conveyance and sale of milk.

SEC. 10. Every such licensee shall report to the clerk of the board of health commissioners any change of driver or other person employed by him in the business aforesaid during the term of his license, together with the name and address of every such substitute driver and employee, and of any or all additional employees.

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SEC. 11. Said clerk of the board of health commissioners may, at any time after the first day of April in any year, issue licenses in the form and upon the terms herein provided, to continue in force from the date thereof until the first day of April next, to parties who may begin the business aforesaid after the first day of April in the current year.

SEC. 12. Said clerk of the board of health commissioners shall keep a record of all licenses issued, in a book prepared for that purpose, which shall set forth the matters and things specified in the license.

SEC. 13. Any person who shall engage in the business aforesaid without being first licensed as herein provided, or who shall violate any of the provisions of sections seven, eight, nine, and ten of this ordinance, shall, for the first offense, pay a fine not exceeding ten dollars; for the second offense, a fine of not less than ten dollars nor more than twenty-five dollars; and for each subsequent offense shall pay a fine of not less than twenty-five dollars nor more than fifty dollars, and may be imprisoned not more than thirty days.

SEC. 14. It shall be the duty of the members of the police department to assist the board of health commissioners, its agents, servants, and employees, when required, in the performance of the duties of said board prescribed by this ordinance, and to report to the clerk of said board, or other person designated by said board to receive such notices, any violation of this ordinance or of the laws of the State in respect to the handling, transportation or sale of milk within the knowledge of said police department or of any member thereof.

SEC. 15. No person or persons shall, in the City of Hartford, sell or offer for sale milk at a shop, store, booth, stand or marketplace until he shall have made written application to the board of health commissioners and shall have furnished to such board such particulars as to his or their business as may be required, on stated forms to be prepared by said board for such purpose.

SEC. 16. The president of the board of health commissioners shall have power, and is hereby directed, to suspend or reject and

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cancel any license issued or to be issued under this ordinance when in his opinion just cause exists for so doing.

Approved, October 10, 1905.

AN ORDINANCE CONCERNING DRIVING OF DROVES OF CATTLE THROUGH THE STREETS.

Be it ordained by the Court of Common Council of the City of Hartford:

Section two of chapter twenty of the Revised Ordinances of 1898 is hereby amended by adding at the end of the section the following: "the driving of any drove of animals through Main street at any time without the license of the Board of Street Commissioners, or through any other street or highway of the city upon Sunday between sunrise and sunset without the written permission of the chief of police."

Approved, December 12, 1905.

AN ORDINANCE AMENDING ORDINANCES RELATING TO "NUISANCES."

Be it ordained by the Court of Common Council of the City of Hartford:

Section two of Chapter twenty of the Revised Ordinances of the City of Hartford is hereby amended by inserting at the end of said section two, the following: "discharging, turning or pouring in naphtha, gasolene, or other volatile inflammable liquid into any public sewer or private drain connected therewith in the City of Hartford or under the jurisdiction thereof."

Approved, December 12, 1905.

AN ORDINANCE CONCERNING MUZZLING OF DOGS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. No dog, unless securely muzzled, shall run at large through or in any part of the corporate limits of the City

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of Hartford during such time or times as the chief-of-police shall by proclamation have forbidden the same. Such prohibition shall not become effectual until such time as said proclamation shall specify, not less, however, than forty-eight hours after publication in a daily newspaper published in the City of Hartford.

SEC. 2. All dogs running at large during such time or times, and not securely muzzled, shall be impounded by the officers of the police department in a secure and proper place for six calendar days, at the end of which such dogs shall be killed unless the owner, keeper, or harborer thereof shall, before the expiration of said six days, have paid to the chief-of-police or his deputies the sum of three dollars as an impounding fee for each dog belonging to, kept or harbored by him and so impounded.

SEC. 3. Upon payment of such fee and upon due proof that the dog so impounded belongs to him or is kept or harbored by him, such owner, keeper, or harborer may remove the same from such pound.

Approved, February 13, 1906.

AN ORDINANCE RELATING TO PERMANENT SUBSTITUTES IN FIRE DEPARTMENT.

Be it ordained by the Court of Common Council of the City of Hartford:

Section 1 of the ordinance approved February 27, 1904, is hereby amended to read as follows:

SECTION 1. That the first paragraph of Section 7, Chapter VIII, of the Revised Ordinances of the City of Hartford be amended to read as follows: The fire department shall include one chief engineer, one deputy chief engineer, one electrical inspector, one assistant electrical inspector, one lineman, and eleven substitutes, all of whom shall be permanent men, and two assistant engineers, who shall be call men. These officers shall be appointed and paid, except where expressly provided otherwise, pursuant to existing ordinances, and shall perform the duties prescribed therein.

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SEC. 2. The Board of Fire Commissioners are hereby authorized to employ from time to time additional men for such work in the fire department as they shall respectively be assigned to perform, to act in the place and stead of regular employees and permanent substitutes when such permanent men and substitutes are absent on vacation, provided however, that at no time the number of such additional men in the employ of the fire department shall exceed ten. The pay of such additional men while so employed shall be at the rate of eight hundred dollars per year.

Approved, March 13, 1906.

AN ORDINANCE AMENDING EXISTING ORDINANCES IN REFERENCE TO THE FIRE DEPARTMENT.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. That the Board of Fire Commissioners be and they are hereby authorized and instructed to employ as a force for each Engine Company, Nos. 1 and 2, five permanent men and eight call men. Said force shall be made up and shall consist as follows: one engineer, one stoker, one engine driver, one hose driver, and one hoseman, who shall be permanent men, and one foreman, one bunker, and six hosemen, who shall be call men. The compensation of the members of said force shall be the same as now provided by existing ordinances.

SEC. 2. The compensation of the assistant electrical inspector, from and after the conclusion of the term of office of the present incumbent, shall be at the rate of $1,080.00 per year, $580 of which shall be paid out of the appropriation of the Fire Department and $500 out of the appropriation of the Police Department.

Approved, March 13, 1906.

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ORDINANCE *in re* CONCEALED WEAPONS.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. Every person within the limits of the City of Hartford carrying a concealed weapon without first obtaining written permission from the Chief-of-Police of the City of Hartford, shall be deemed to have committed a misdemeanor, and upon conviction shall be punished by a fine of not more than fifty ($50.00) dollars, or committed to jail for 30 days, or both.

SEC. 2. The Chief-of-Police of the City of Hartford is hereby authorized to issue permits in the name of the City of Hartford to any one applying for the same who may desire to carry a concealed weapon, but the Chief-of-Police may exercise his discretion as to whether or not he will issue such permission.

SEC. 3. The Chief-of-Police shall, when issuing said permit, take a full description of the person to whom said permission is granted, name, address, the particular reason why said permission is asked for, and shall state in the permit the term for which it is to continue, and the said Chief-of-Police shall keep a numbered duplicate in book form of the original permit, which shall be kept by the Chief-of-Police.

SEC. 4. The Chief-of-Police of the City of Hartford, for cause, may revoke any permission granted by him under this ordinance before the expiration of the same, and when said permission is revoked the Chief-of-Police shall give personal written notice of said revocation, or may designate any member of the police department to give personal written notice of said revocation to the licensee.

Approved, March 27, 1906.

AN ORDINANCE RELATING TO THE APPOINTMENT OF ADDITIONAL REGULAR POLICEMEN.

Be it ordained by the Court of Common Council of the City of Hartford:

That the Board of Police Commissioners of the City of Hartford is hereby authorized and empowered to appoint and employ

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from and after May 1, 1906, in addition to the number of regular policemen now in the employ of the City of Hartford, ten additional regular policemen, who shall serve as patrolmen.

Approved, March 27, 1906.

AN ORDINANCE RELATING TO SEALER OF WEIGHTS AND MEASURES AND INSPECTION OF MILK.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. There shall be in the City of Hartford a sealer of weights and measures appointed by the court of common council to serve until May 1, 1908, and for two years from and after said May 1, 1908, and biennially thereafter and until his successor is elected and qualified, whose duty it shall be to inspect, and if found correct, seal all measures, balances, scales, steelyards and weights, or any instrument, machine or article used for weighing or measuring by any person, firm or corporation in said city who as a business sells goods, wares and merchandise by weight or measure, according to the standards of the State of Connecticut. Said sealer shall devote all his time during ordinary business hours to the duties of his office.

SEC. 2. There shall be in said city a clerk to said sealer, appointed by him, who, in the absence or disability of said sealer, or in the pressure of business, may act as deputy sealer.

Weights and Measures.

SEC. 3. Said sealer shall make and keep in a book or on index cards a true record of the names of all persons, firms or corporations who as a business sell within said city goods, wares and merchandise by measure or weight. He shall at least once during each calendar year visit the places of business of all persons, firms and corporations who he has reason to believe have weights, measures and balances of any description which ought to be sealed in accordance with this ordinance, and shall inspect and test all such weights, measures and balances, and, if found correct, shall seal the same and shall give a certificate accordingly;

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and shall, when requested by any person, at reasonable times, and, if thought by said sealer to be necessary and proper, try by the standards of the State of Connecticut the measures, balances, scales, steelyards, weights or other instruments, machines or articles for measuring or weighing used by any person, firm or corporation doing business in said city.

SEC. 4. It shall be the duty of said sealer, and it shall be lawful for him, to enter any store, house or other building, or any yard in said city where weights or measures are used by any person, firm or corporation in doing business, at any reasonable hour, and to inspect and test any measures, balances, scales, steelyards or weights contained therein; and it shall be lawful for said sealer to inspect any measures, balances, scales, steelyards, weights or other instruments of any itinerant vendor of fruits, vegetables or other articles of merchandise in said city.

SEC. 5. It shall be the duty of every policeman to assist the sealer of weights and measures when required, and to report to him any violation of the ordinances relating to the inspection of measures, balances, scales, steelyards, or weights, or of the statutes of the State, within his knowledge; and the sealer of weights and measures shall report the same to the prosecuting attorney of the city for prosecution forthwith.

SEC. 6. All such measures, balances, scales, steelyards, weights, instruments and machines as are found to correspond in degree with said standards of the State of Connecticut shall be marked, stamped or sealed by said sealer or his deputy with the letters "H. S." and the year of inspection. Whenever the said sealer, upon inspection and testing of any measure, balance, scale, steelyard, weight or other instrument or machine, shall find that it is incorrect, he shall forbid its further use until made to conform to the authorized standard, and shall fix thereon written or printed notice stating the facts found by him and forbidding its use, or shall stamp the same "Condemned" or letters "Cd."

SEC. 7. Said sealer shall report in writing to the Court of Common Council, at least once each calendar month, the names of the persons, firms or corporations by him visited during the calendar month next preceding, giving the dates of such visits and the number and character of the weights and measures by him

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respectively inspected and tested, and further stating the number of weights and measures respectively approved and disapproved and by whom the latter were used.

SEC. 8. No person, firm or corporation shall sell any charcoal brought into the City of Hartford except in baskets, each of which, even full, shall hold three bushels, which have been sealed by the sealer of weights and measures in accordance with this ordinance, provided however, that charcoal may be retailed within the limits of the City of Hartford in bags containing one-half bushel.

SEC. 9. Any person who shall within the limits of said city use any weight, scale or measure to ascertain the weight, length or quantity of any article by him sold, which weight, scale or measure has not been marked or sealed by said sealer of weights and measures in the manner hereinbefore provided, or who shall, knowingly and with intent to defraud, sell any article as of greater weight, measure or quantity than such article does in fact weigh or measure according to said standards, shall be fined not less than two dollars nor more than twenty dollars. Any person who shall remove any stamped, written or printed notice affixed by the sealer to any measure, balances, scale, steelyards, weight or other instrument or machine to the effect that the same is incorrect, without the consent of said sealer, shall be fined twenty-five dollars. Every person, firm or corporation who shall use any balances, scale, steelyard, measure, weight or vessel, the use of which is forbidden or which has been condemned as aforesaid, for the purpose of ascertaining the weight or quantity of any goods by him, them or it sold, shall be fined not less than twenty-five dollars nor more than one hundred dollars. Any person who shall hinder or obstruct said sealer of weights and measures in the discharge of his duty shall be fined ten dollars for each offense. Any person who shall violate section 8 of this ordinance shall be fined not less than one dollar nor more than five dollars for each and every offense.

SEC. 10. It shall be the duty of the owners of all platform scales within the city, when notified by the sealer that he desires to inspect and test said scales, to cart, without expense to the City, all weights and other testing devices owned by the City and

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necessary for such test, from the place where the same are kept to the place where such scales are situated and back again. If the owners of scales refuse to do or cause to be done such cartage within a reasonable time after receiving such notice, it shall be the duty of the sealer to state in his report to the Court of Common Council next following such refusal, the names of such owners and the facts connected with such refusal.

SEC. 11. The salary of said sealer shall be at the rate of twelve hundred dollars per year. The salary of his clerk shall be at the rate of five hundred dollars per year, and no fees shall be charged any person, firm or corporation for the performance of any duty prescribed of them by this ordinance.

Milk.

SEC. 12. Nothing in the foregoing ordinance shall apply to milk measures. The duty of inspection thereof shall rest upon the board of health and its agent or agents to whom the same shall be delegated by said board.

It shall be the duty of the Board of Health through its officers and agents to inspect from time to time the jars, bottles and measures used by any person, firm or corporation in the City of Hartford in selling milk or cream, for the purpose of determining whether or not such jars, bottles or measures do in fact contain and are capable of holding the quantity of milk or cream, wine measure, which is represented by the vendor of such milk or cream to be contained therein.

SEC. 13. For the purposes of such inspection said board of health commissioners by its officers and agents shall have the right to stop any vehicle used by a licensed vendor of milk or cream, and to enter the place of business of any such licensed vendor to determine the true capacity of the jars, bottles and measures for milk and cream used by him. In case such jars, bottles or measures are found capable of holding a less quantity of milk or cream, wine measure, than they are represented by the vendor of such milk or cream to contain, said Board of Health Commissioners through its officers and agents shall have the right, and it shall be their duty, to mark such jars, bottles or measures "Condemned," or the letters "Cd.," unless the same are delivered to such officers or agents for destruction.

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SEC. 14. Any person, firm or corporation who shall use within the City of Hartford, for the purpose of sale of milk and cream, any jars, bottles or measures which have been marked as aforesaid shall be guilty of a misdemeanor and shall be fined not less than two dollars and not more than twenty dollars for each offense. Any person who shall, within the limits of the City of Hartford, knowingly and with intent to defraud, sell milk or cream as of a greater measure or quantity than actually contained in such jars, bottles or measures, shall be fined not less than two nor more than twenty dollars.

SEC. 15. Section 8 of Chapter II as amended by ordinance approved March 24, 1903, and all ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Approved, May 1, 1906.

AN ORDINANCE RELATING TO FOURTH OF JULY.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. No person shall fire or explode any fire works, cannon, small arms, percussion rifle, toy cannon, fire crackers, torpedoes, or other explosive substances, nor shall burn any composition such as red fire or similar burning substances, in the streets and parks and public places of the City of Hartford on the Fourth of July.

SEC. 2. For the purposes of this ordinance, the Fourth of July shall be construed as beginning at sunset on the third of July and ending at four o'clock in the forenoon of July fifth.

SEC. 3. Any violation of this ordinance shall be punished by a fine not exceeding twenty dollars.

Approved, June 12, 1906.

AN ORDINANCE RELATING TO SPITTING ON SIDEWALK, ETC.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. No person shall spit on any sidewalk, or in any railway station, public building, steamboat, railway car, street

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railway car, or licensed vehicle, unless into a spittoon or other proper receptacle.

SEC. 2. Violation of each and every provision of this ordinance shall be deemed a misdemeanor and shall be punished by a fine not exceeding twenty dollars ($20).

Approved, June 12, 1906.

AN ORDINANCE RELATING TO TREATMENT OF INJURED FIREMEN.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. The necessary expenses hereafter incurred by any member of the Fire Department in being treated for injuries sustained while in the actual performance of duty shall be paid by the City of Hartford out of the general appropriation for the Fire Department as hereinafter provided.

SEC. 2. Such expenses, except first aid and minor injuries, shall not be paid unless they be incurred by or on account of such injured fireman for treatment at a regularly incorporated hospital and in accordance with the report and recommendations of the Board of Fire Commissioners to the Court of Common Council.

SEC. 3. Upon the recommendation of the Board of Fire Commissioners as provided in section 2 of this ordinance, the Court of Common Council shall order the Controller to draw his order upon the Treasurer for the payment of the amount so recommended.

Approved, July 10, 1906.

AN ORDINANCE RELATING TO FOREMEN OF ENGINE COMPANIES.

Be it ordained by the Court of Common Council of the City of Hartford:

SECTION 1. All foremen of engine companies who are callmen shall hereafter, during the hours from 11 o'clock P.M. to 5 o'clock A.M. on all days, vacation time excluded, remain in their respective engine houses except when called outside by their duties as firemen.

Approved, July 10, 1906.

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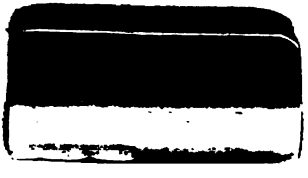

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